

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055004.D
 Acq On : 12 Apr 2019 17:25
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Quant Time: Apr 13 03:41:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 03:34:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	454109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	714028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279747	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	282921	49.65	ug/l	0.00
Spiked Amount						
			Recovery	=	99.30%	
35) Dibromofluoromethane	7.59	113	226731	49.81	ug/l	0.00
Spiked Amount						
			Recovery	=	99.62%	
50) Toluene-d8	10.09	98	845248	50.56	ug/l	0.00
Spiked Amount						
			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.40	95	290974	51.67	ug/l	0.00
Spiked Amount						
			Recovery	=	103.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	248602	49.632	ug/l	100
3) Chloromethane	2.06	50	328217	48.863	ug/l	98
4) Vinyl Chloride	2.19	62	263440	48.332	ug/l	99
5) Bromomethane	2.56	94	154771	49.051	ug/l	96
6) Chloroethane	2.70	64	142489	47.403	ug/l	99
7) Trichlorofluoromethane	3.02	101	330114	48.282	ug/l	99
8) Diethyl Ether	3.41	74	106771	49.656	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	172361	48.334	ug/l	99
10) Methyl Iodide	3.94	142	238256	46.326	ug/l	99
11) Tert butyl alcohol	4.83	59	98752	281.607	ug/l	100
12) 1,1-Dichloroethene	3.73	96	164729	46.918	ug/l	98
13) Acrolein	3.61	56	103140	243.669	ug/l	98
14) Allyl chloride	4.31	41	437141	50.957	ug/l	99
15) Acrylonitrile	5.00	53	505382	261.293	ug/l	99
16) Acetone	3.82	43	403580	257.792	ug/l	99
17) Carbon Disulfide	4.04	76	552035	48.273	ug/l	100
18) Methyl Acetate	4.33	43	233835	48.185	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	649852	51.804	ug/l	100
20) Methylene Chloride	4.54	84	253685	49.923	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	230588	49.854	ug/l	94
22) Diisopropyl ether	5.96	45	883285	50.783	ug/l	98
23) Vinyl Acetate	5.90	43	3283650	269.917	ug/l	100
24) 1,1-Dichloroethane	5.85	63	455656	48.505	ug/l	99
25) 2-Butanone	6.85	43	666304	276.343	ug/l	99
26) 2,2-Dichloropropane	6.82	77	316818	50.977	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	263802	49.096	ug/l	98
28) Bromochloromethane	7.19	49	218593	49.045	ug/l	100
29) Tetrahydrofuran	7.22	42	413672	261.717	ug/l	98
30) Chloroform	7.37	83	437453	48.834	ug/l	99
31) Cyclohexane	7.65	56	433392	49.913	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	355397	49.801	ug/l	100
36) 1,1-Dichloropropene	7.79	75	332604	50.402	ug/l	99
37) Ethyl Acetate	6.94	43	277102	55.935	ug/l	99
38) Carbon Tetrachloride	7.77	117	305834	49.235	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	380134	50.317	ug/l	99
40) Benzene	8.04	78	998536	50.049	ug/l	100
41) Methacrylonitrile	7.18	41	161050	52.832	ug/l	95
42) 1,2-Dichloroethane	8.12	62	342800	48.843	ug/l	100
43) Isopropyl Acetate	8.17	43	462447	54.592	ug/l	99
44) Trichloroethene	8.83	130	253183	49.657	ug/l	99
45) 1,2-Dichloropropane	9.12	63	276873	49.177	ug/l	99
46) Dibromomethane	9.21	93	158337	49.081	ug/l	97
47) Bromodichloromethane	9.40	83	332254	50.645	ug/l	100
48) Methyl methacrylate	9.20	41	227489	52.131	ug/l	98
49) 1,4-Dioxane	9.20	88	52638	1121.629	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	1330106	268.169	ug/l	99
52) Toluene	10.16	92	591238	50.108	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	323334	54.429	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	388563	53.099	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	220272	50.114	ug/l	98
56) Ethyl methacrylate	10.43	69	311651	55.102	ug/l	98
57) 1,3-Dichloropropane	10.71	76	392630	51.781	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	611538	241.313	ug/l	99
59) 2-Hexanone	10.75	43	876800	282.889	ug/l	99
60) Dibromochloromethane	10.90	129	235855	53.907	ug/l	100
61) 1,2-Dibromoethane	11.00	107	216979	51.559	ug/l	99
64) Tetrachloroethene	10.63	164	235184	47.386	ug/l	98
65) Chlorobenzene	11.43	112	622155	50.854	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	233276	51.740	ug/l	99
67) Ethyl Benzene	11.51	91	1128231	50.204	ug/l	100
68) m/p-Xylenes	11.62	106	836983	101.798	ug/l	100
69) o-Xylene	11.95	106	402184	49.438	ug/l	98
70) Styrene	11.96	104	683980	53.026	ug/l	99
71) Bromoform	12.13	173	151388	49.022	ug/l	98
73) Isopropylbenzene	12.25	105	1090285	45.839	ug/l	100
74) N-amyl acetate	12.07	43	381918	53.273	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	288158	46.794	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	338142	65.702	ug/l #	100
77) Bromobenzene	12.53	156	267218	50.110	ug/l	98
78) n-propylbenzene	12.59	91	1222166	47.163	ug/l	100
79) 2-Chlorotoluene	12.67	91	735754	45.960	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	901291	46.548	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	65962	52.900	ug/l	95
82) 4-Chlorotoluene	12.77	91	729638	47.128	ug/l	98
83) tert-Butylbenzene	12.99	119	763732	46.042	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	894406	48.173	ug/l	99
85) sec-Butylbenzene	13.17	105	1006822	47.539	ug/l	99
86) p-Isopropyltoluene	13.29	119	888069	48.207	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	457520	48.150	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	445385	49.009	ug/l	99
89) n-Butylbenzene	13.61	91	745190	51.506	ug/l	100
90) Hexachloroethane	13.87	117	144098	47.338	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	453875	49.204	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	42786	53.433	ug/l	95

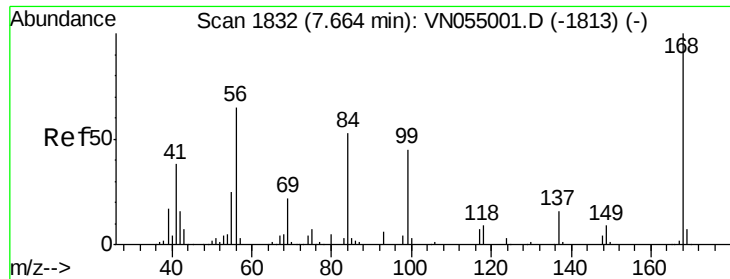
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	228150	49.814	ug/l	98
94) Hexachlorobutadiene	15.01	225	150314	54.884	ug/l	97
95) Naphthalene	15.13	128	534392	49.988	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	232402	55.852	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: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

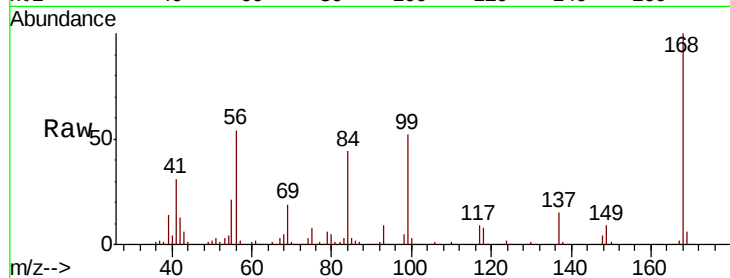
ICVFN041319

Tot Ion:168 Resp: 454109

Ion Ratio Lower Upper

168 100

99 51.5 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

200000

150000

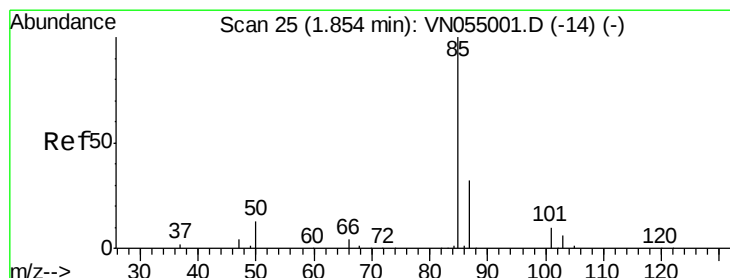
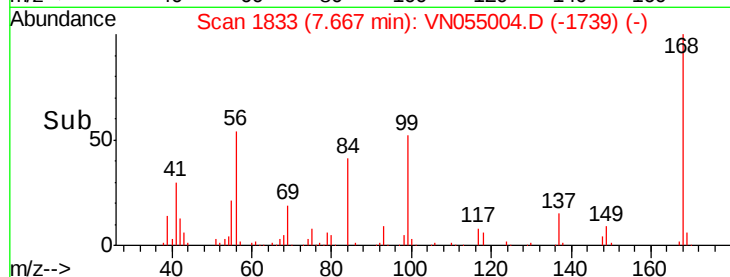
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 49.632 ug/l

RT: 1.85 min Scan# 25

Delta R.T. -0.00 min

Lab File: VN055004.D

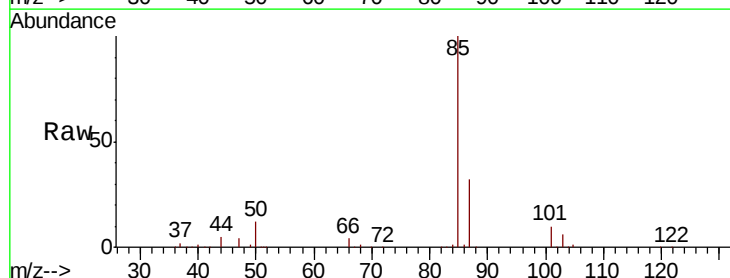
Acq: 12 Apr 2019 17:25

Tgt Ion: 85 Resp: 248602

Ion Ratio Lower Upper

85 100

87 31.9 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

200000

150000

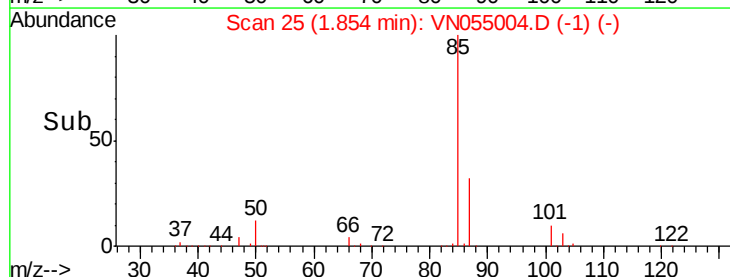
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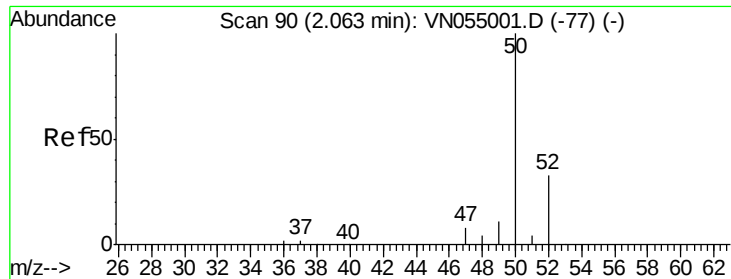
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 48.863 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

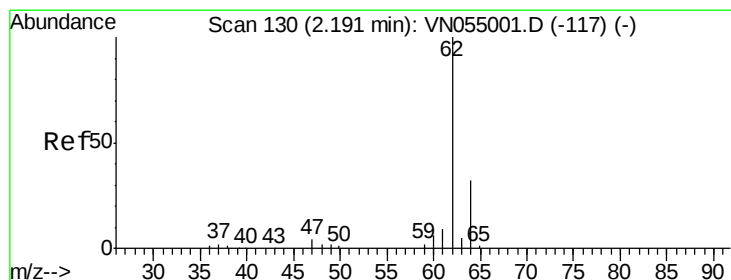
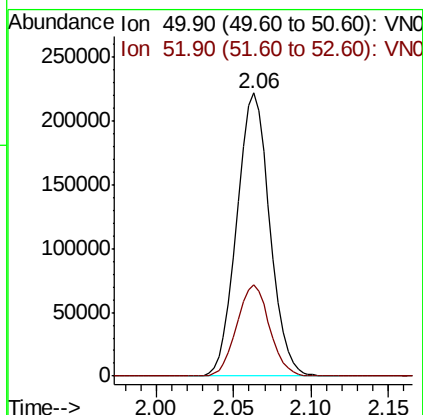
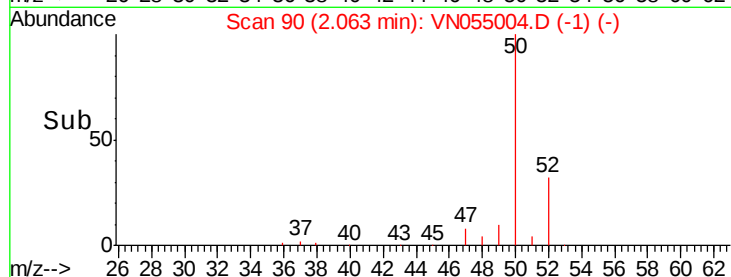
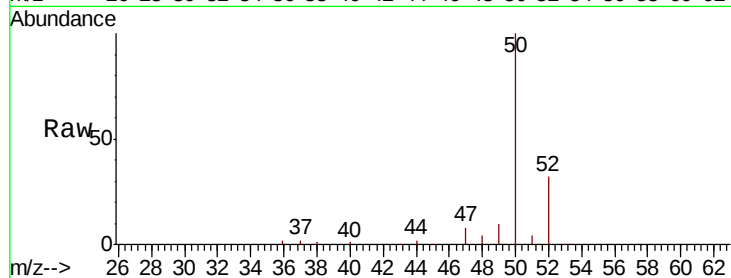
ICV041319

Tot Ion: 50 Resp: 328217

Ion Ratio Lower Upper

50 100

52 32.1 26.6 40.0



#4

Vinyl Chloride

Concen: 48.332 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055004.D

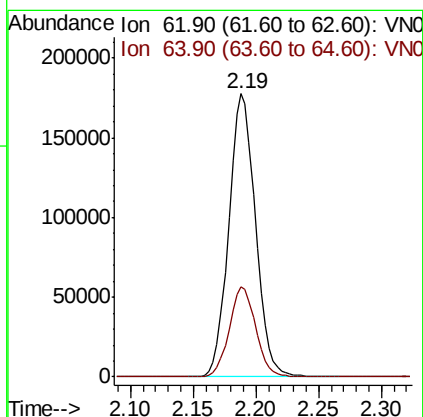
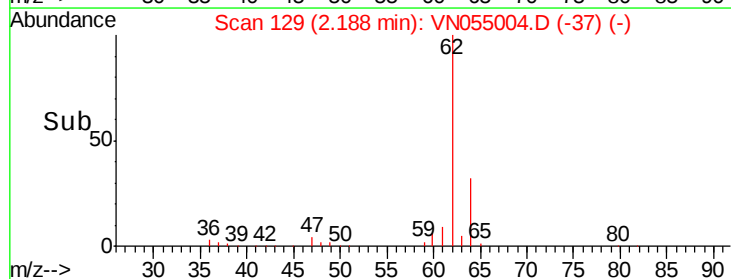
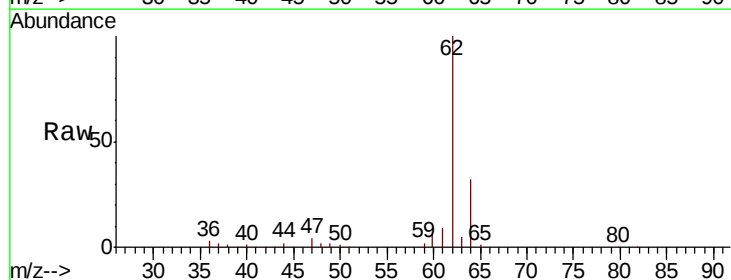
Acq: 12 Apr 2019 17:25

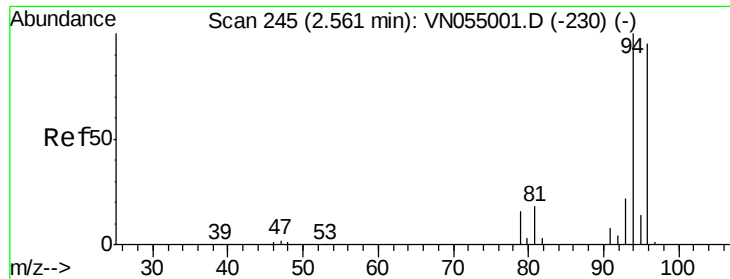
Tgt Ion: 62 Resp: 263440

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.6





#5

Bromomethane

Concen: 49.051 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

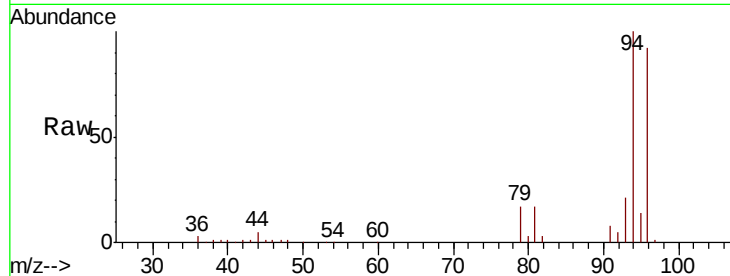
ICVVN041319

Tot Ion: 94 Resp: 154771

Ion Ratio Lower Upper

94 100

96 91.5 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

80000

60000

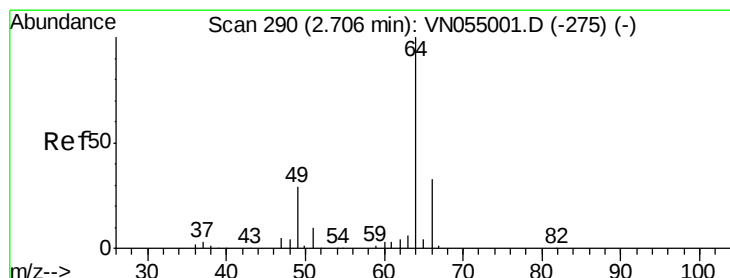
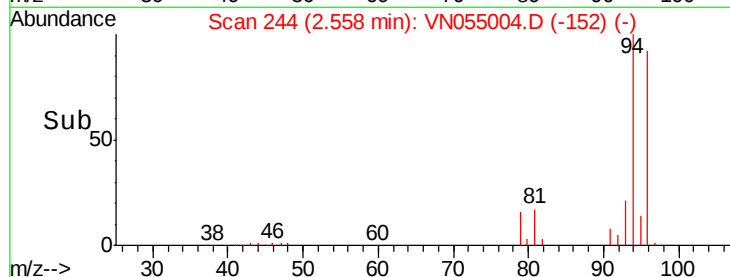
40000

20000

0

Time-->

2.50 2.60



#6

Chloroethane

Concen: 47.403 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN055004.D

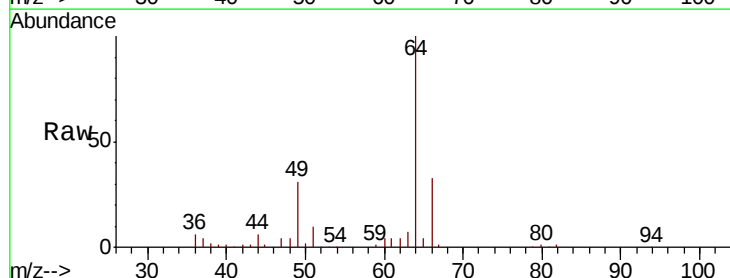
Acq: 12 Apr 2019 17:25

Tgt Ion: 64 Resp: 142489

Ion Ratio Lower Upper

64 100

66 32.5 26.6 40.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

80000

60000

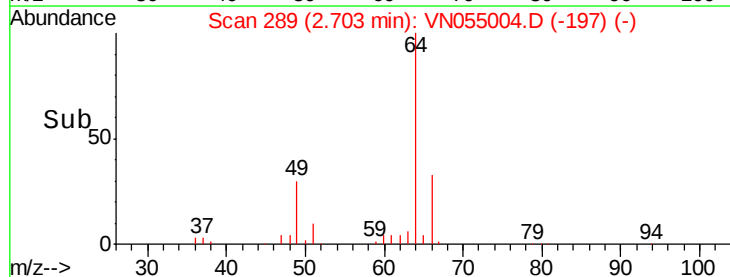
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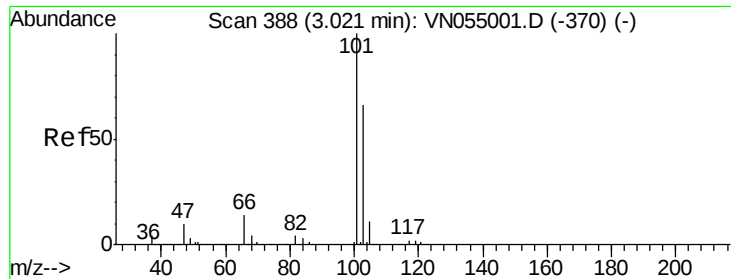
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0

Time-->

2.60 2.70 2.80



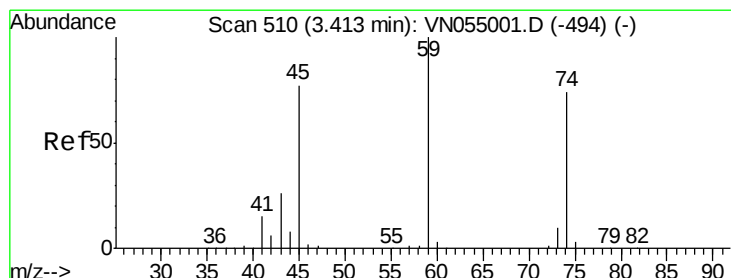
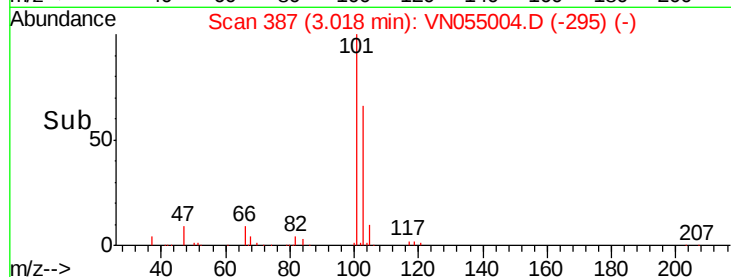
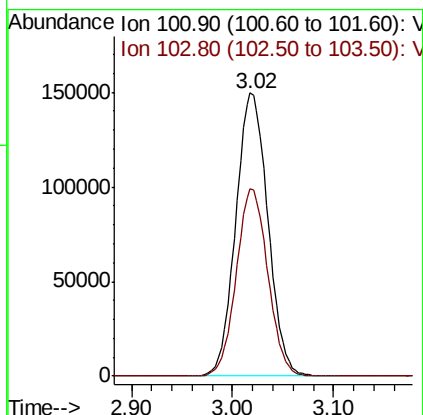
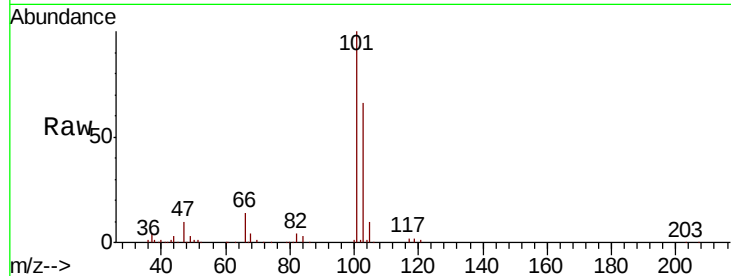


#7

Trichlorofluoromethane
 Concen: 48.282 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
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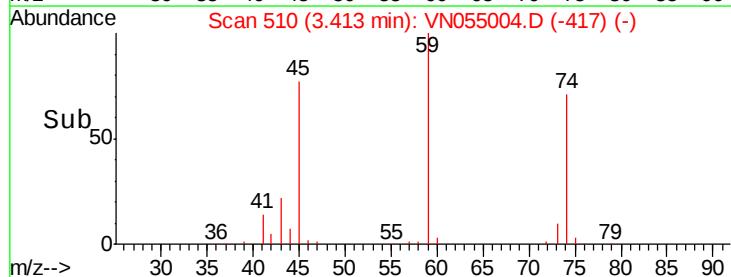
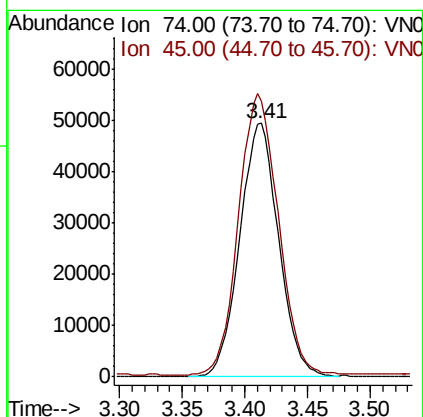
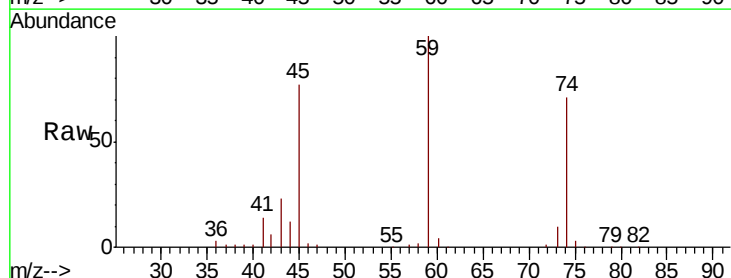
Tot Ion:101 Resp: 330114
 Ion Ratio Lower Upper
 101 100
 103 66.4 52.5 78.7

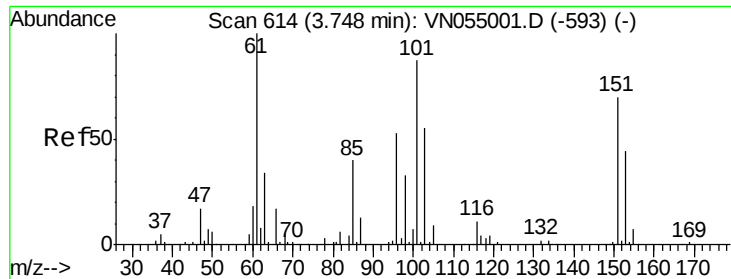


#8

Diethyl Ether
 Concen: 49.656 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion: 74 Resp: 106771
 Ion Ratio Lower Upper
 74 100
 45 113.3 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.334 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

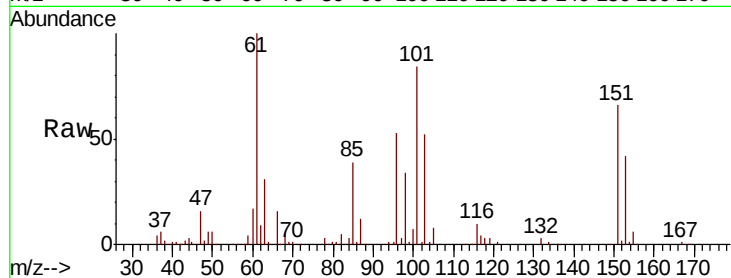
Tot Ion:101 Resp: 172361

Ion Ratio Lower Upper

101 100

85 45.7 36.9 55.3

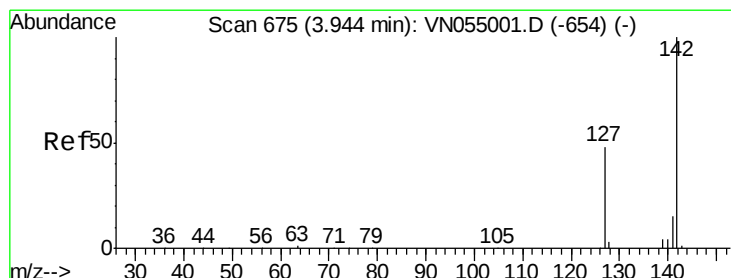
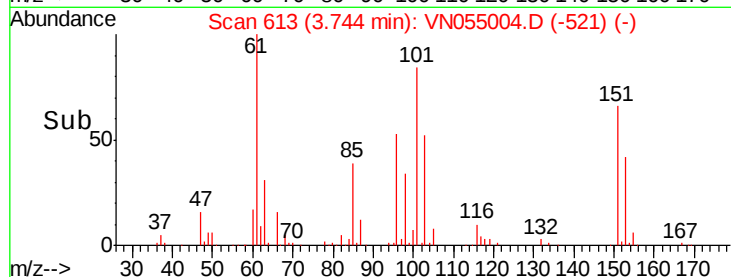
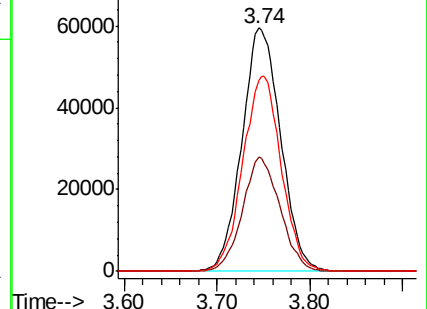
151 79.4 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.326 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

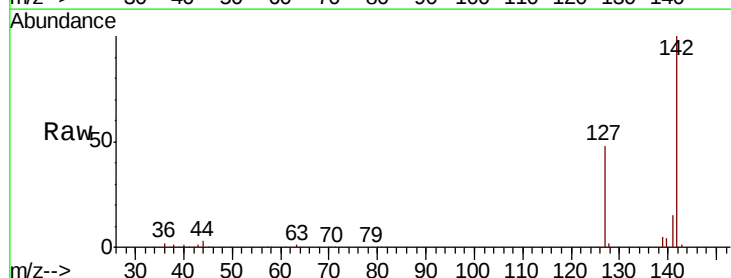
Tgt Ion:142 Resp: 238256

Ion Ratio Lower Upper

142 100

127 48.1 37.9 56.9

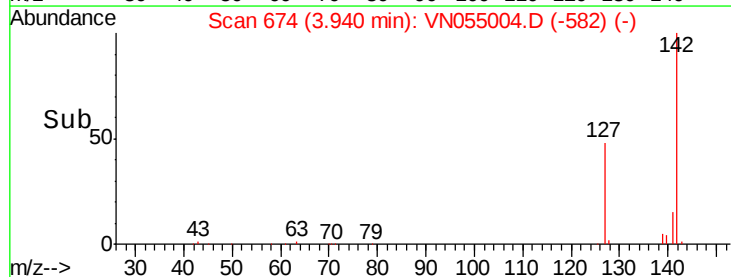
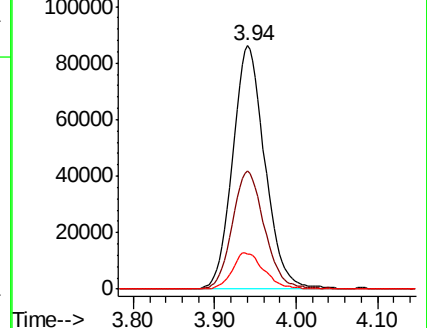
141 14.7 11.8 17.8

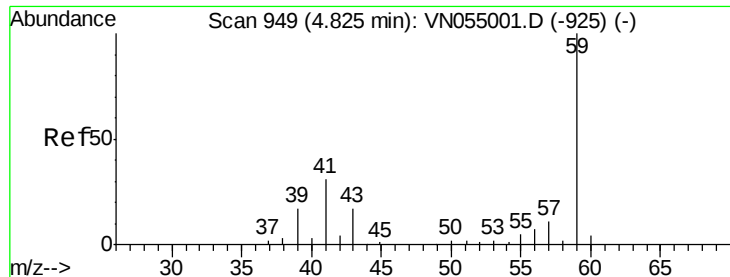


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

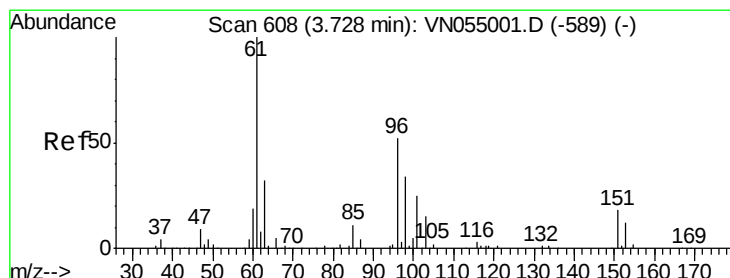
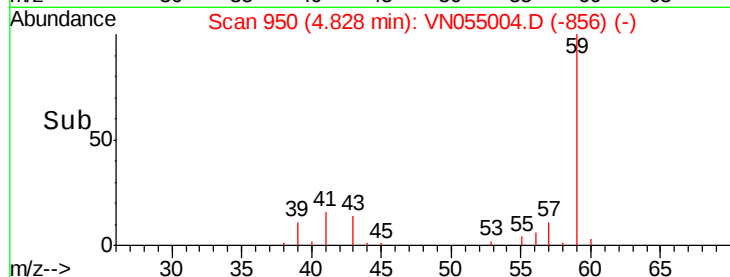
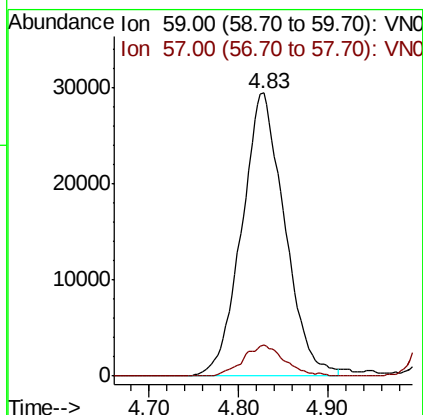
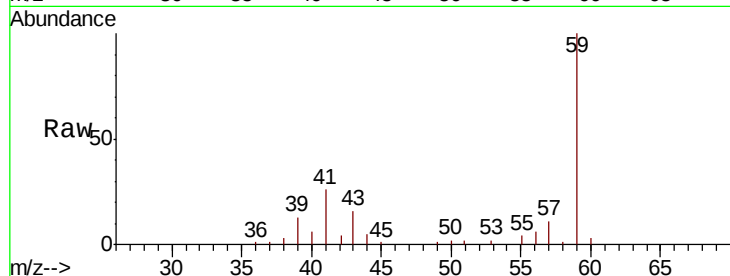




#11
Tert butyl alcohol
Concen: 281.607 ug/l
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

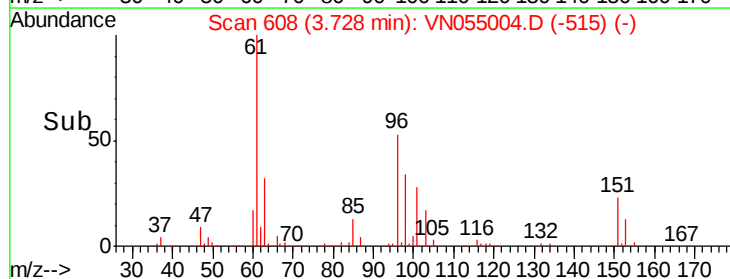
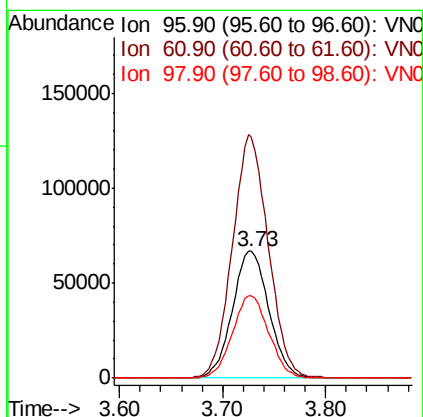
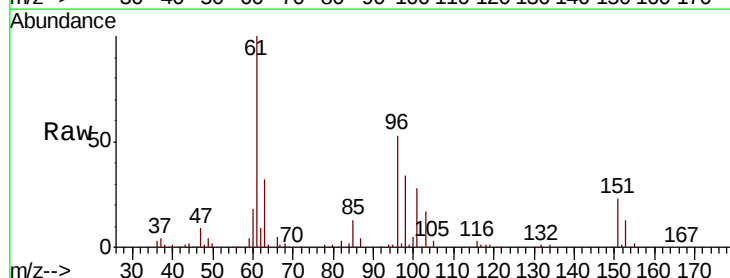
Instrument :
MSVOA_N
ClientSampleId :
ICVFN041319

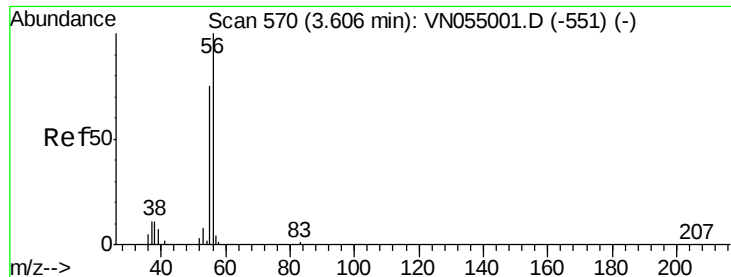
Tot Ion: 59 Resp: 98752
Ion Ratio Lower Upper
59 100
57 10.6 8.3 12.5



#12
1,1-Dichloroethene
Concen: 46.918 ug/l
RT: 3.73 min Scan# 608
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 96 Resp: 164729
Ion Ratio Lower Upper
96 100
61 190.1 154.2 231.4
98 65.0 52.9 79.3





#13

Acrolein

Concen: 243.669 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

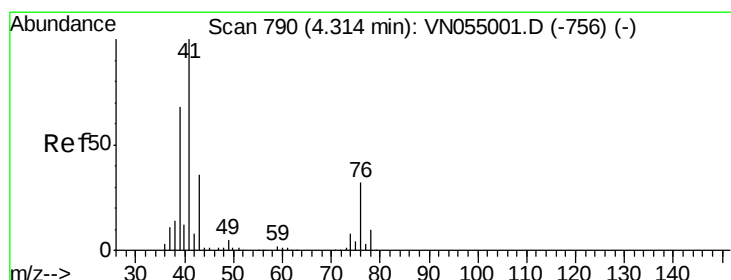
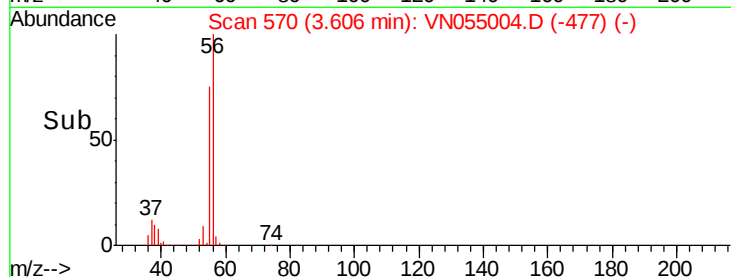
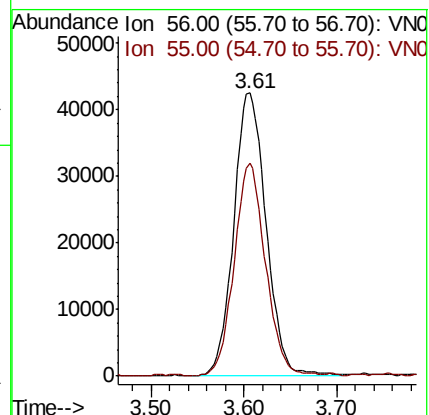
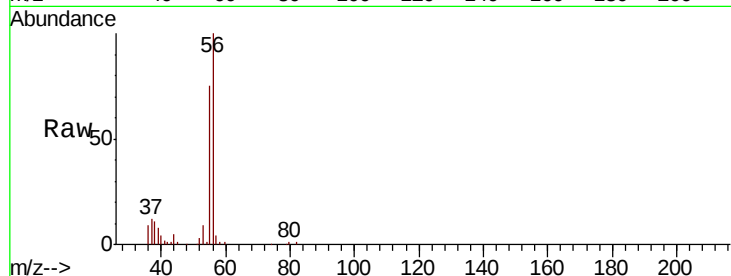
ICVVN041319

Tot Ion: 56 Resp: 103140

Ion Ratio Lower Upper

56 100

55 73.0 59.5 89.3



#14

Allyl chloride

Concen: 50.957 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

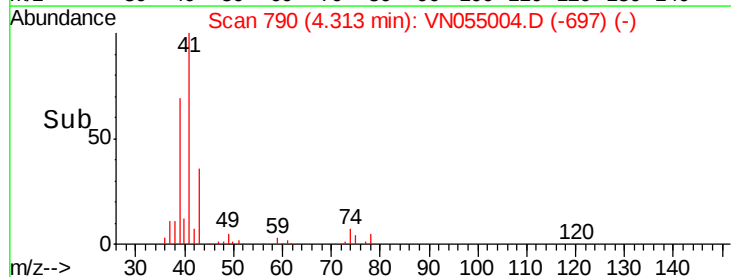
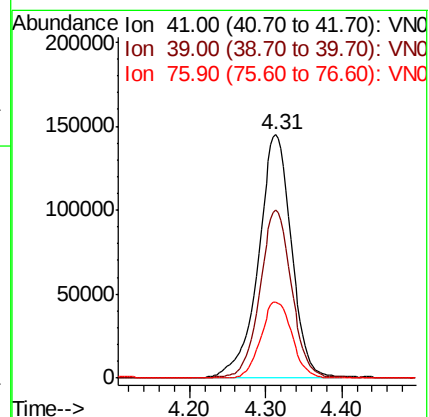
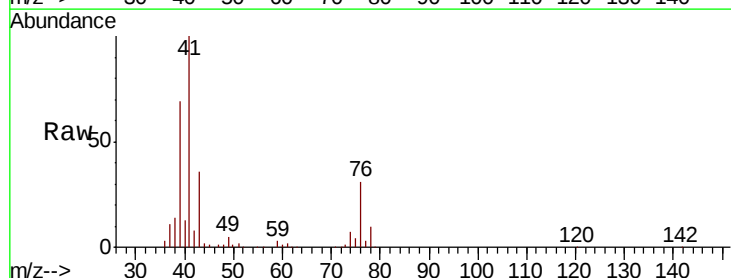
Tgt Ion: 41 Resp: 437141

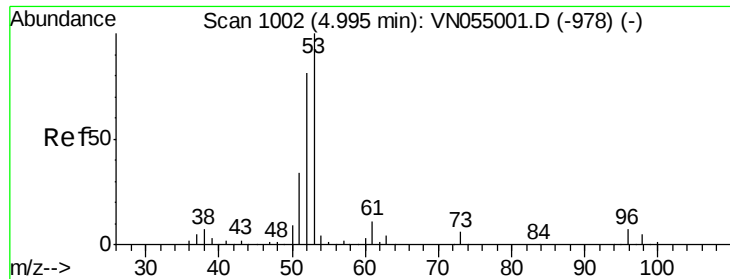
Ion Ratio Lower Upper

41 100

39 65.6 52.7 79.1

76 29.5 23.2 34.8





#15

Acrylonitrile

Concen: 261.293 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

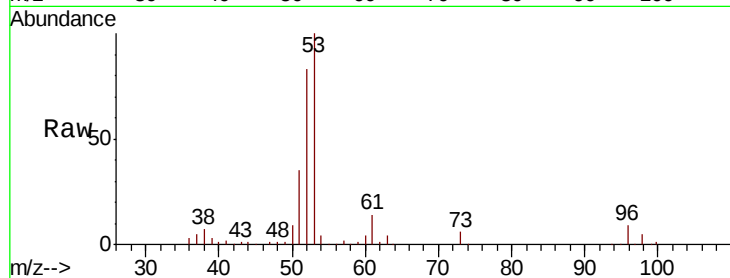
Tot Ion: 53 Resp: 505382

Ion Ratio Lower Upper

53 100

52 82.6 65.9 98.9

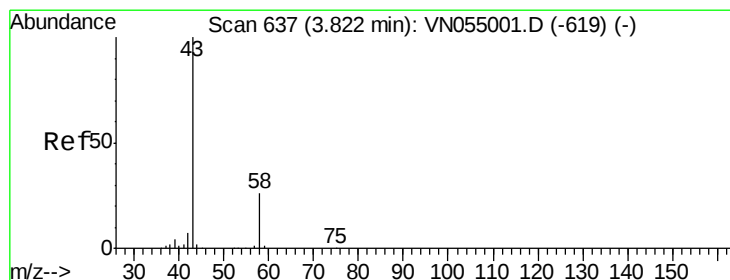
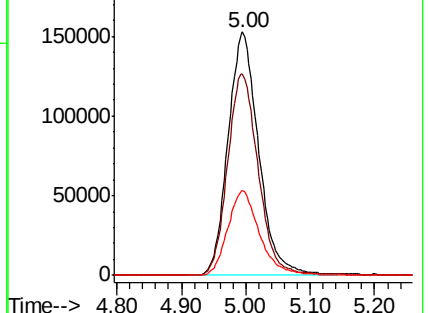
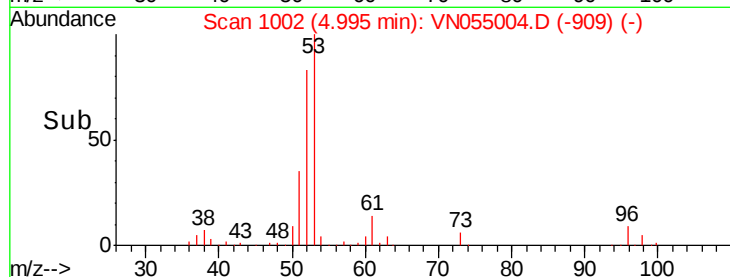
51 36.3 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN055004.D (-978) (-)

Ion 52.00 (51.70 to 52.70): VN055004.D (-978) (-)

Ion 51.00 (50.70 to 51.70): VN055004.D (-978) (-)



#16

Acetone

Concen: 257.792 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055004.D

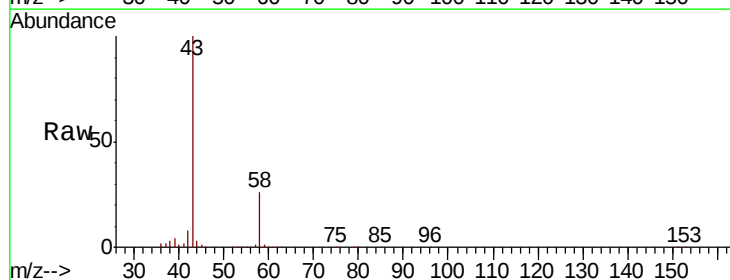
Acq: 12 Apr 2019 17:25

Tgt Ion: 43 Resp: 403580

Ion Ratio Lower Upper

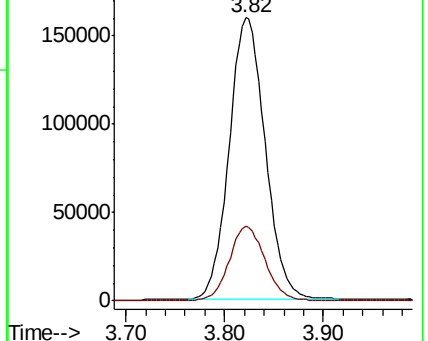
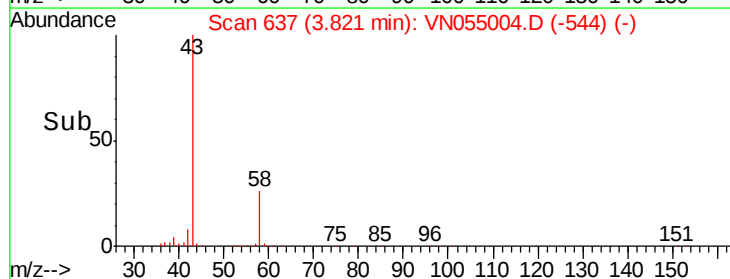
43 100

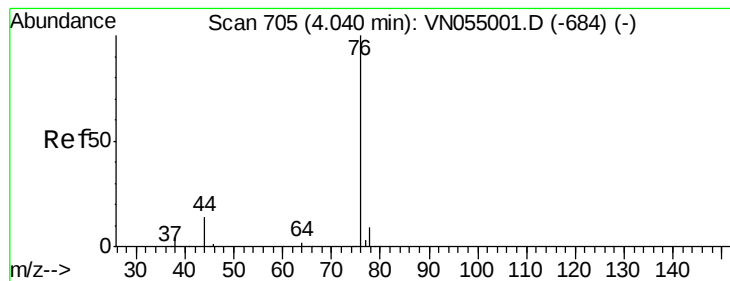
58 26.4 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055004.D (-619) (-)

Ion 58.00 (57.70 to 58.70): VN055004.D (-619) (-)





#17

Carbon Disulfide

Concen: 48.273 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

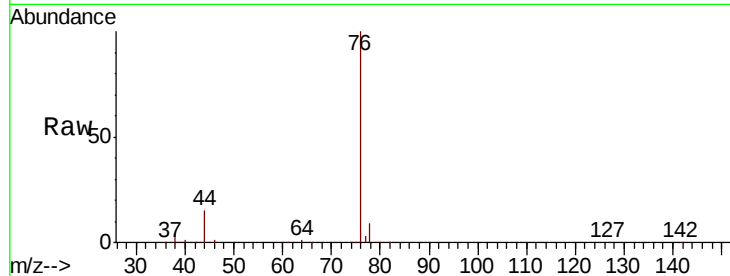
ICVVN041319

Tot Ion: 76 Resp: 552035

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

250000

200000

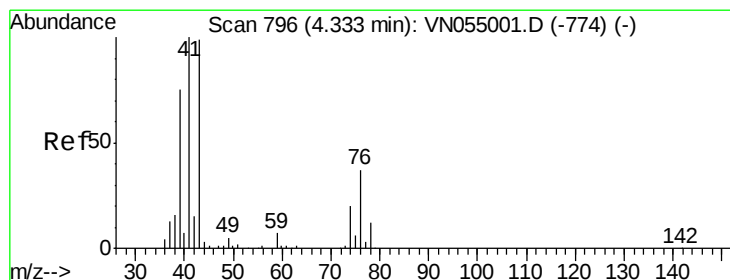
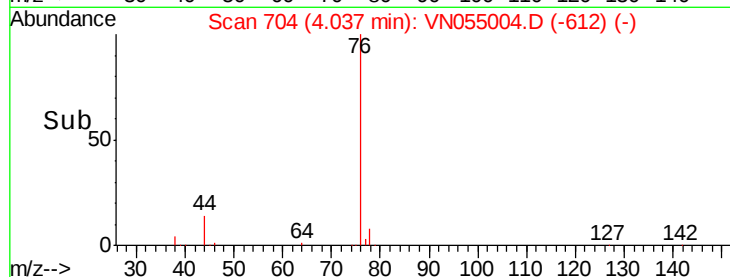
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 48.185 ug/l

RT: 4.33 min Scan# 796

Delta R.T. -0.00 min

Lab File: VN055004.D

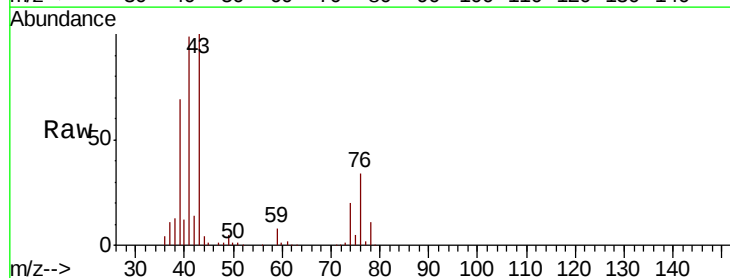
Acq: 12 Apr 2019 17:25

Tgt Ion: 43 Resp: 233835

Ion Ratio Lower Upper

43 100

74 20.2 16.1 24.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

80000

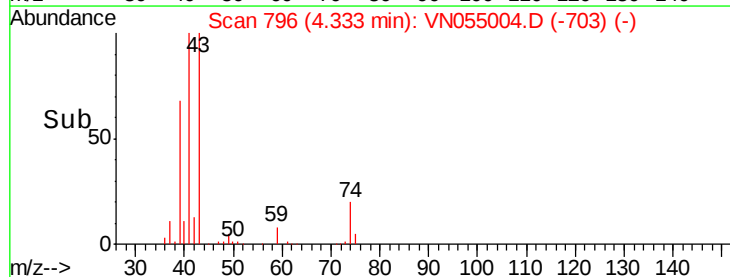
60000

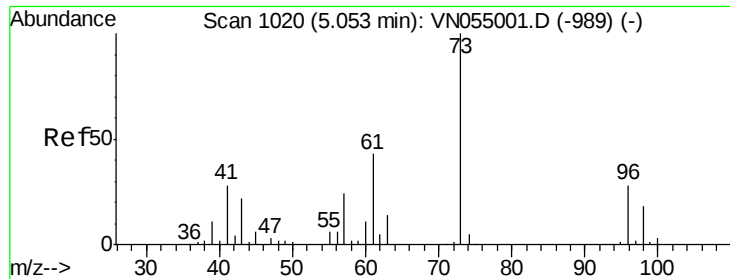
40000

20000

0

Time--> 4.20 4.30 4.40 4.50

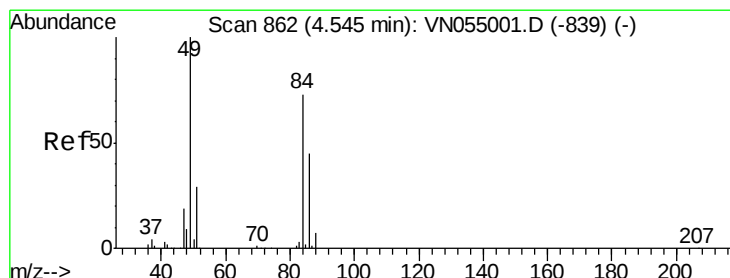
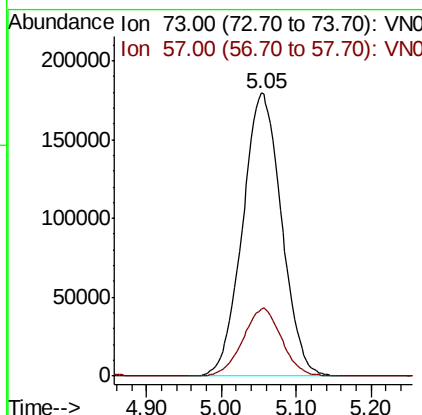
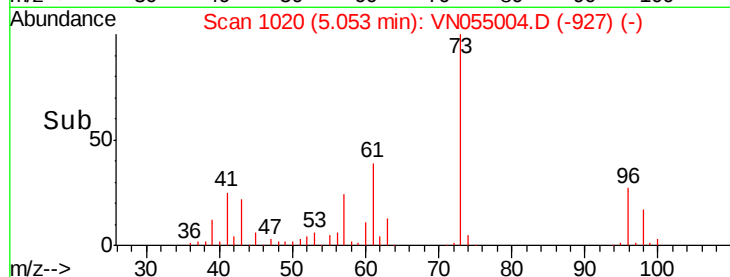
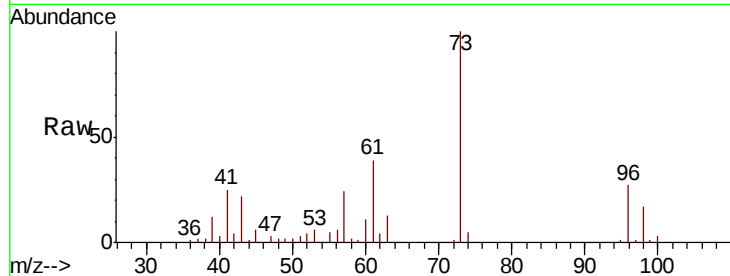




#19
Methvl tert-butvl Ether
Concen: 51.804 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

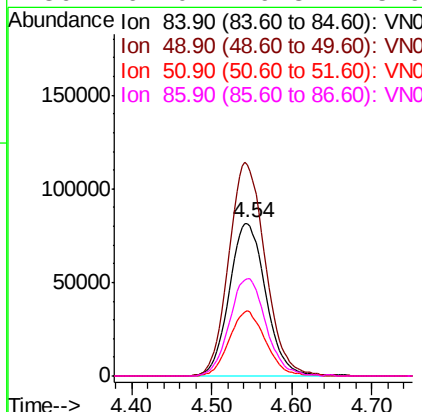
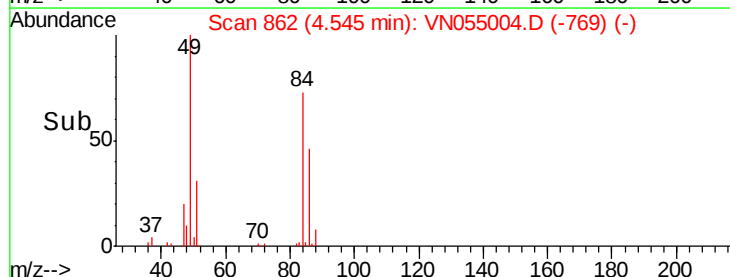
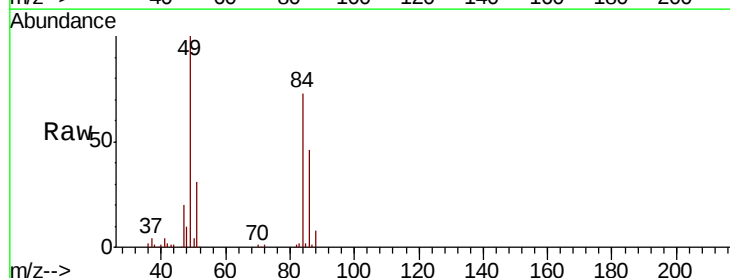
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

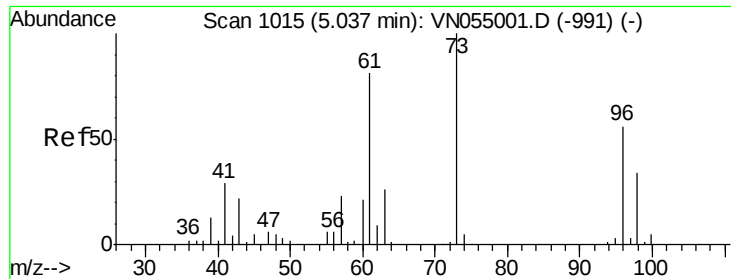
Tot Ion: 73 Resp: 649852
Ion Ratio Lower Upper
73 100
57 23.8 19.0 28.4



#20
Methylene Chloride
Concen: 49.923 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 84 Resp: 253685
Ion Ratio Lower Upper
84 100
49 137.5 109.4 164.2
51 42.7 32.2 48.4
86 64.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.854 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.01 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVFN041319

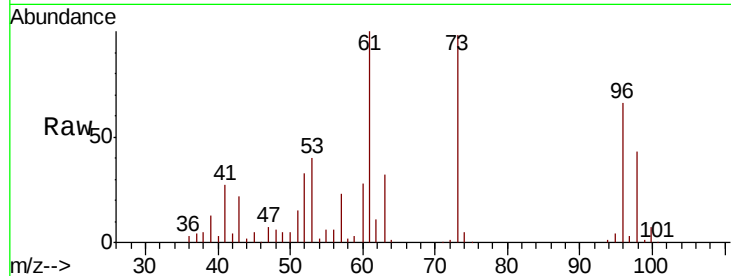
Tot Ion: 96 Resp: 230588

Ion Ratio Lower Upper

96 100

61 151.2 114.9 172.3

98 64.4 48.4 72.6

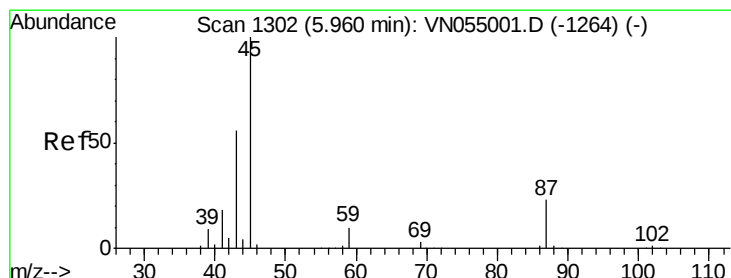
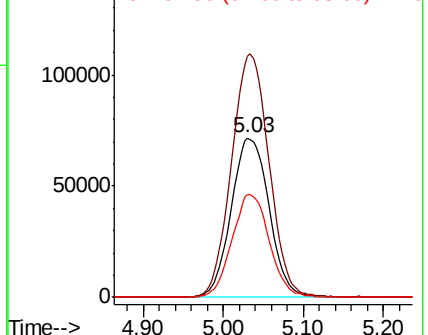
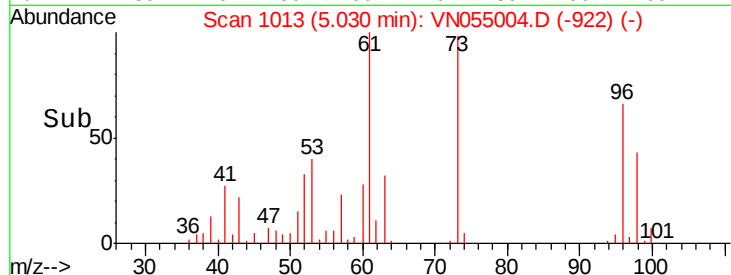


Abundance

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



#22

Diisopropyl ether

Concen: 50.783 ug/l

RT: 5.96 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion: 45 Resp: 883285

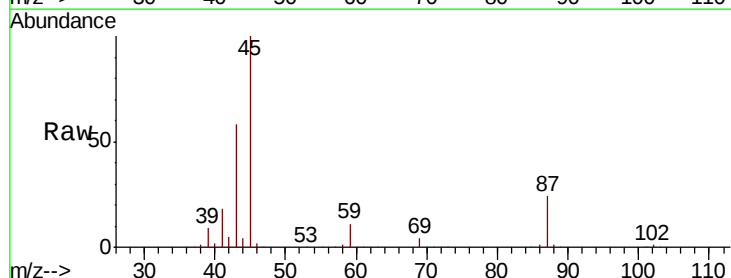
Ion Ratio Lower Upper

45 100

43 58.1 44.8 67.2

87 23.9 18.9 28.3

59 10.3 7.9 11.9



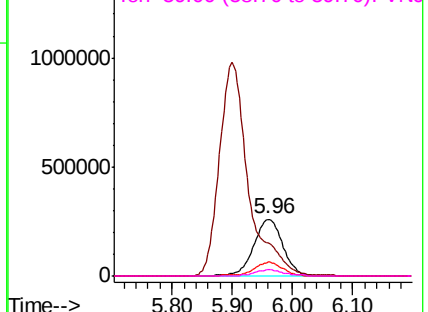
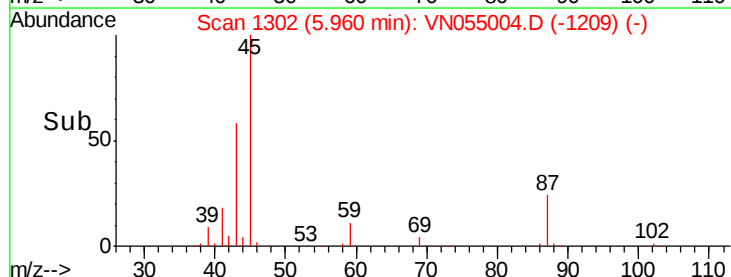
Abundance

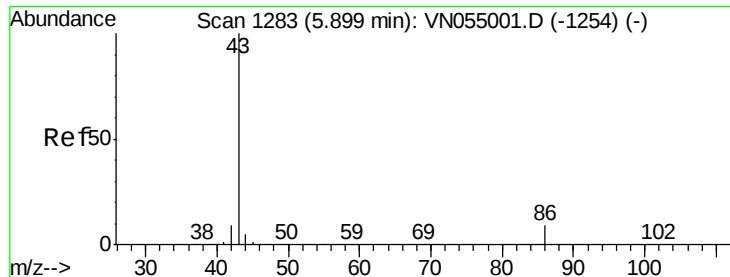
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 269.917 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

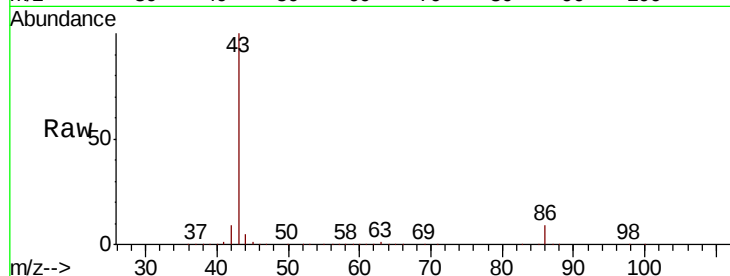
ICVVN041319

Tot Ion: 43 Resp: 3283650

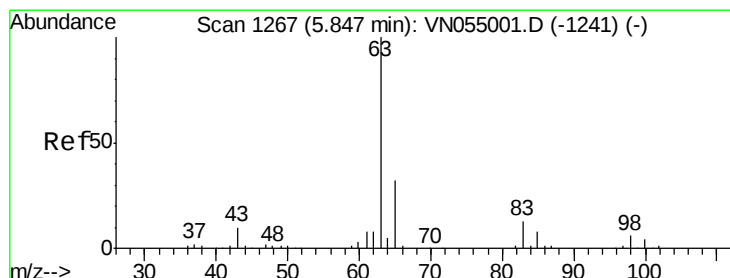
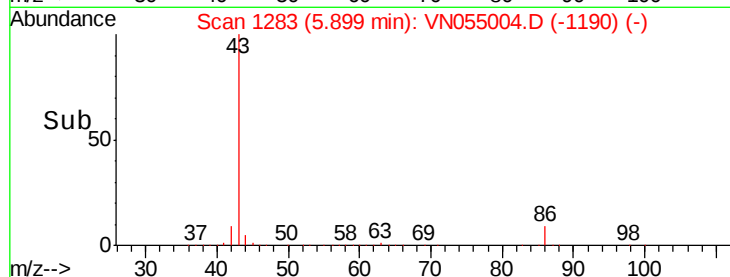
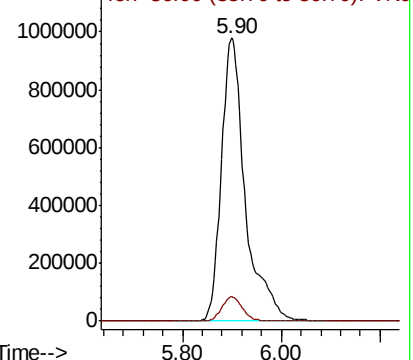
Ion Ratio Lower Upper

43 100

86 8.6 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055004.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 48.505 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

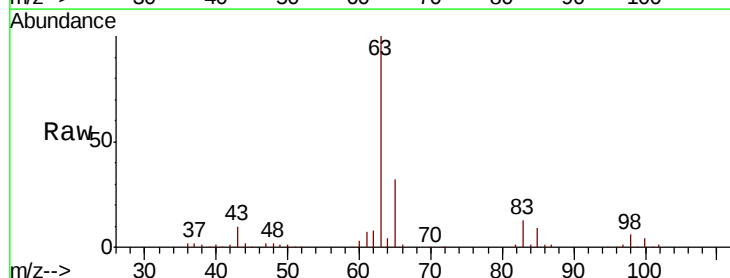
Tgt Ion: 63 Resp: 455656

Ion Ratio Lower Upper

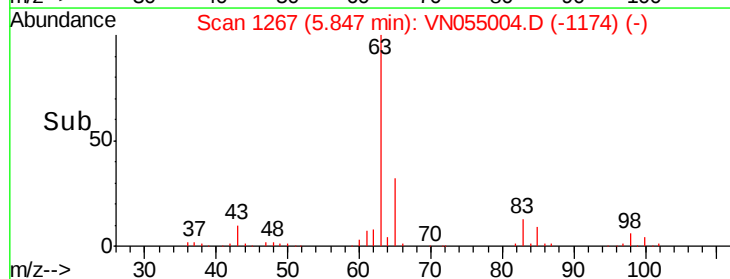
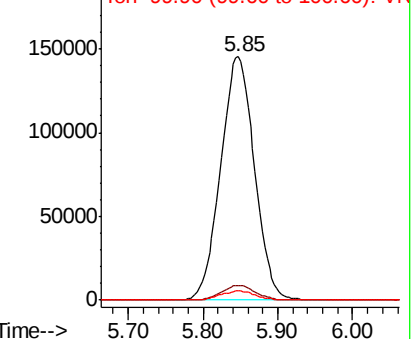
63 100

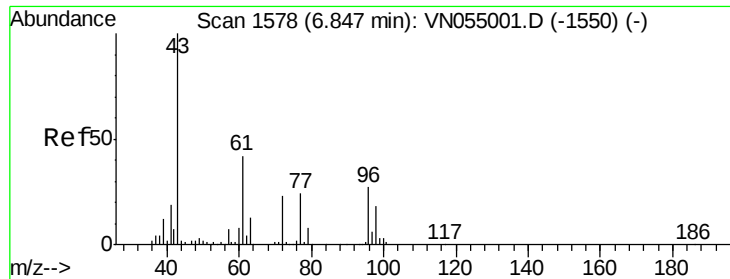
98 6.2 2.8 8.4

100 3.9 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN055004.D (-1174) (-)

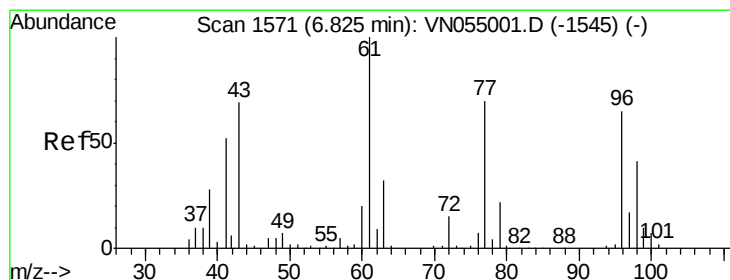
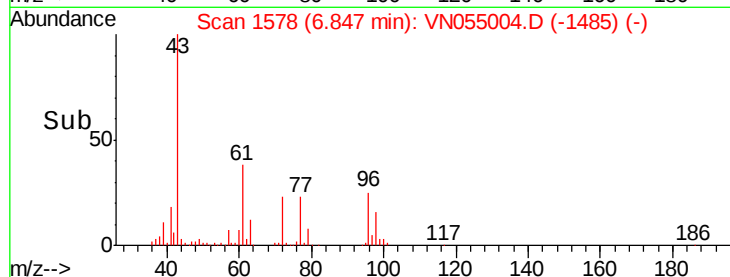
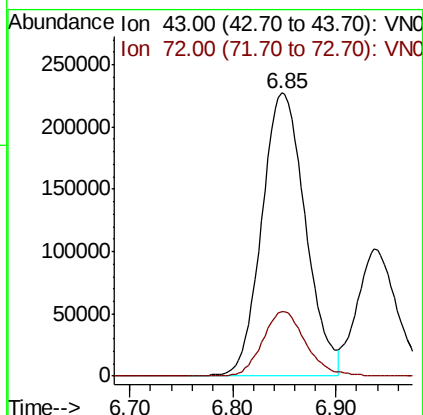
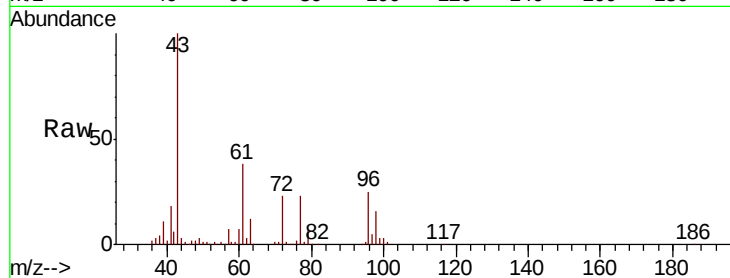




#25
2-Butanone
Concen: 276.343 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

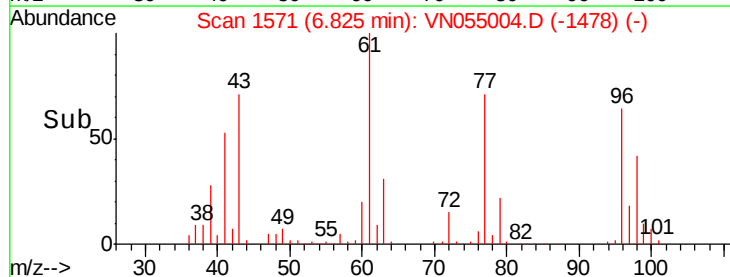
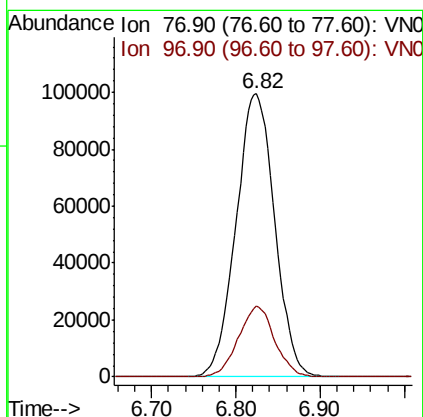
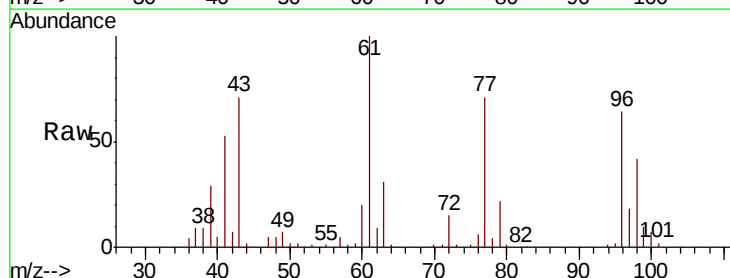
Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

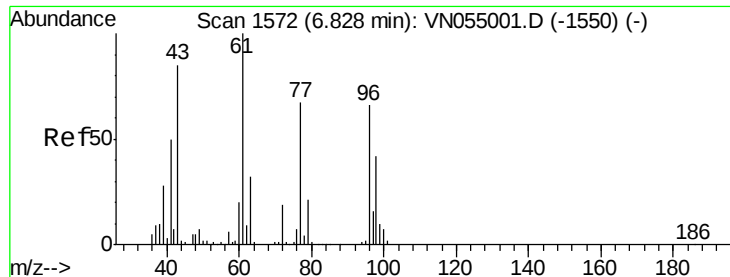
Tot Ion: 43 Resp: 666304
Ion Ratio Lower Upper
43 100
72 23.1 18.1 27.1



#26
2,2-Dichloropropane
Concen: 50.977 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 77 Resp: 316818
Ion Ratio Lower Upper
77 100
97 23.4 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 49.096 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

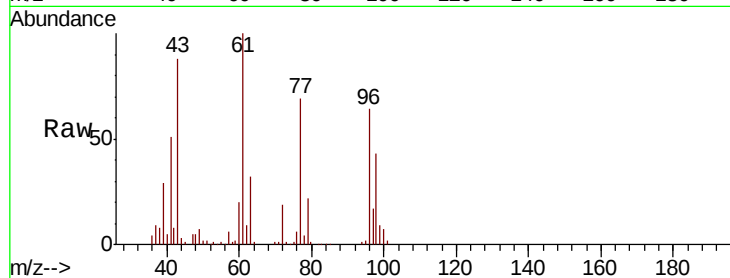
Tot Ion: 96 Resp: 263802

Ion Ratio Lower Upper

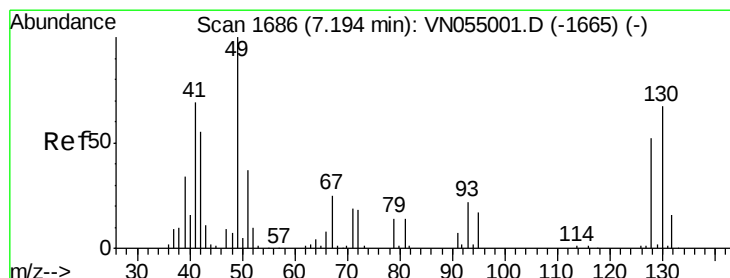
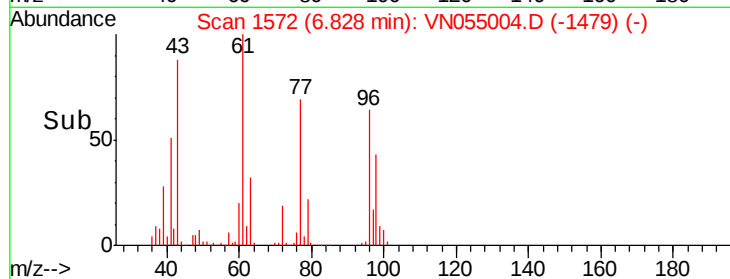
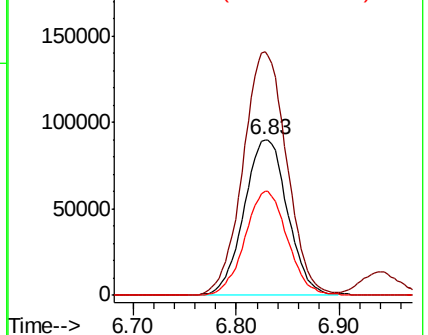
96 100

61 157.2 0.0 311.0

98 65.6 0.0 127.4



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: 49.045 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

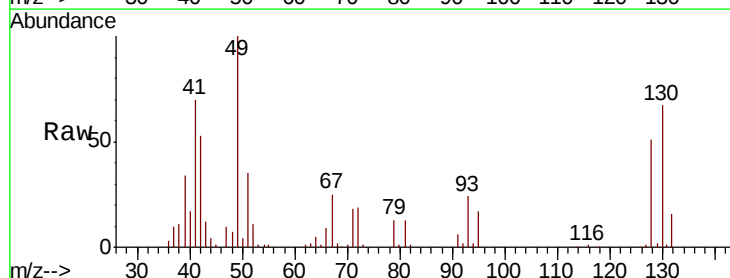
Tgt Ion: 49 Resp: 218593

Ion Ratio Lower Upper

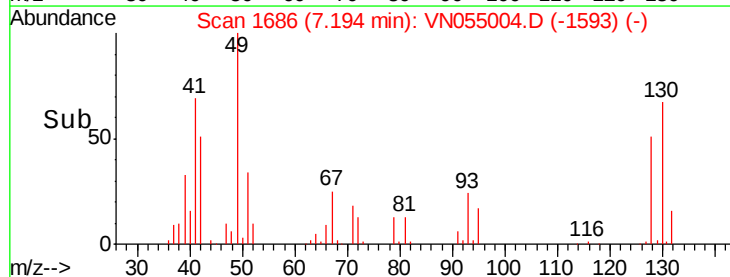
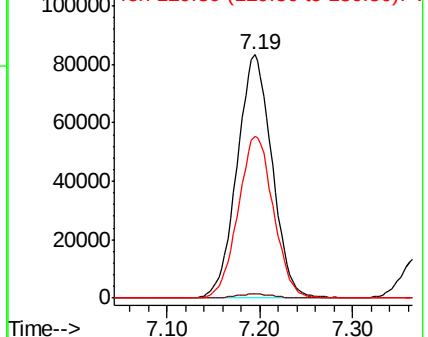
49 100

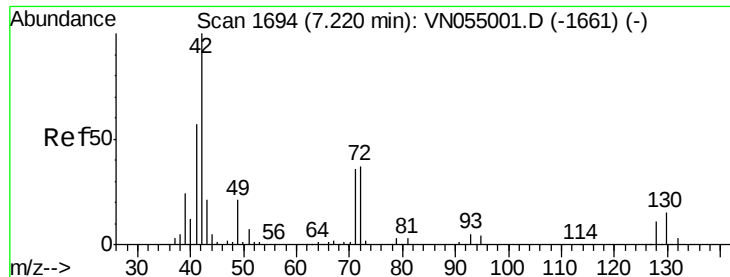
129 1.7 0.0 2.0

130 67.1 53.4 80.2



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

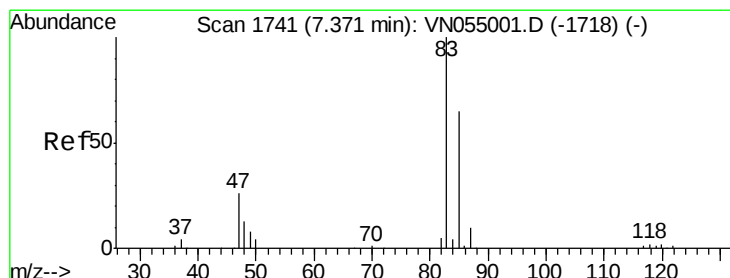
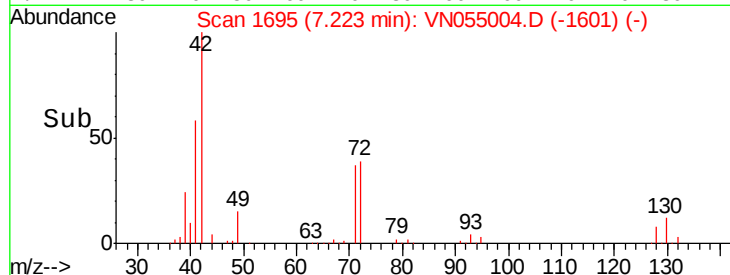
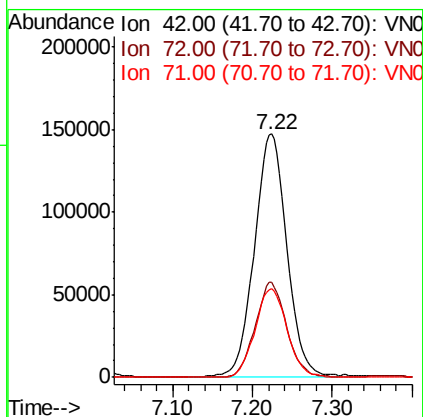
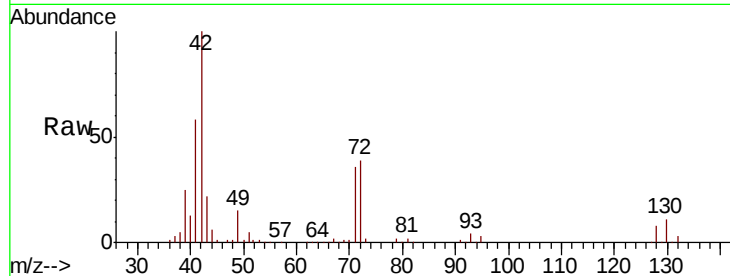




#29
Tetrahydrofuran
Concen: 261.717 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

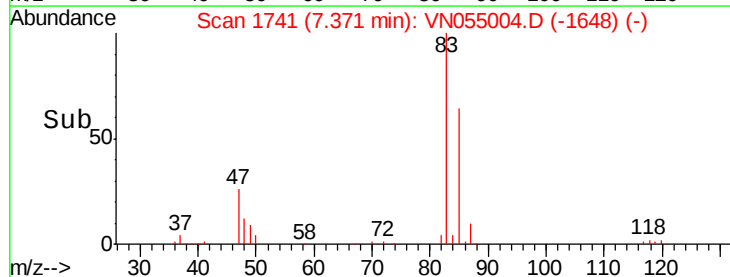
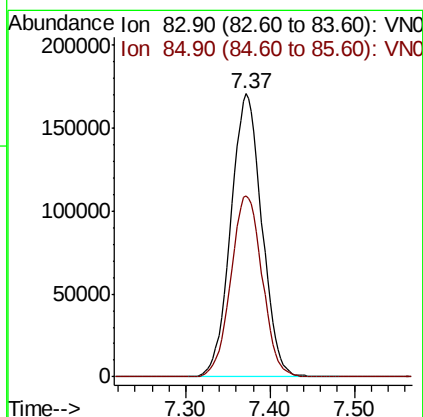
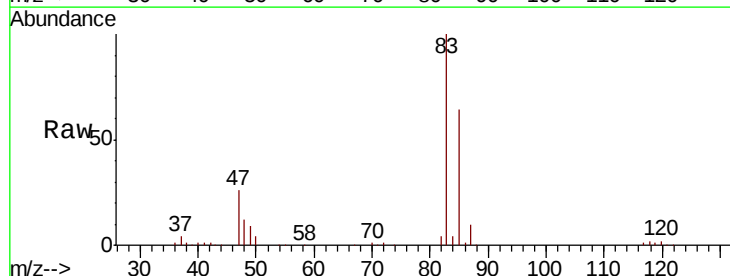
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

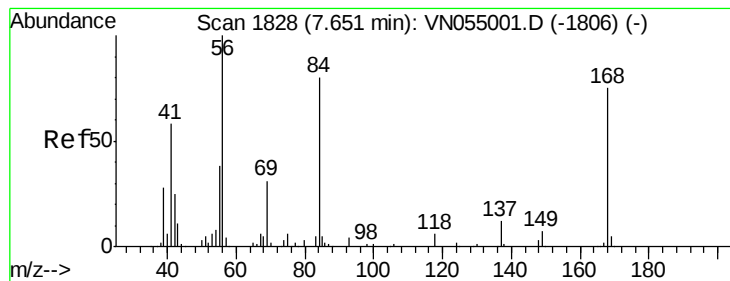
Tot Ion: 42 Resp: 413672
Ion Ratio Lower Upper
42 100
72 37.6 29.4 44.0
71 35.9 27.8 41.6



#30
Chloroform
Concen: 48.834 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 83 Resp: 437453
Ion Ratio Lower Upper
83 100
85 63.8 51.8 77.6





#31

Cyclohexane

Concen: 49.913 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

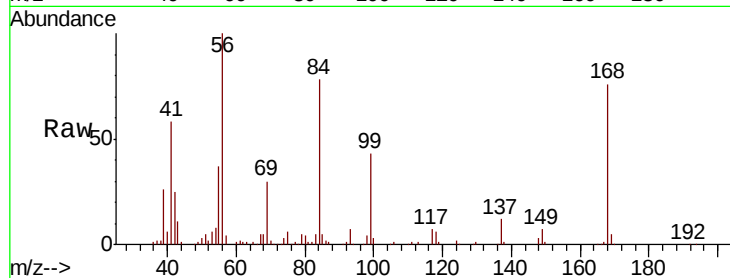
Tot Ion: 56 Resp: 433392

Ion Ratio Lower Upper

56 100

69 30.5 24.5 36.7

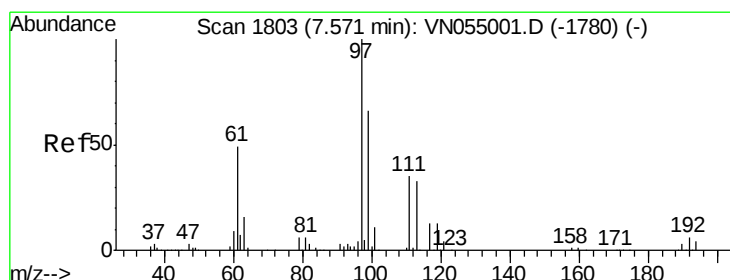
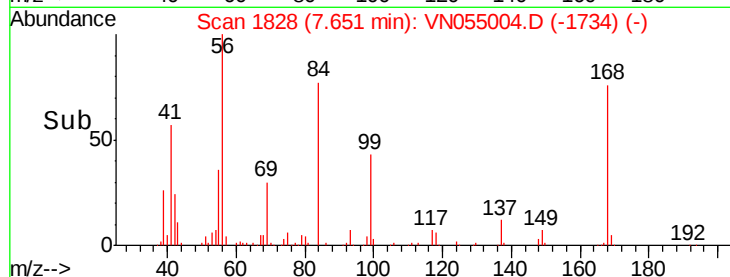
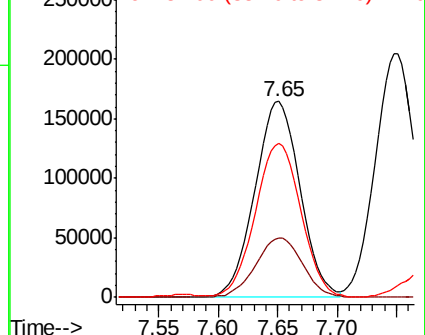
84 77.2 62.9 94.3



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 49.801 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

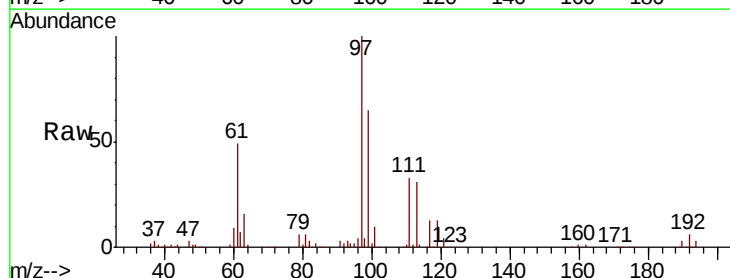
Tgt Ion: 97 Resp: 355397

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

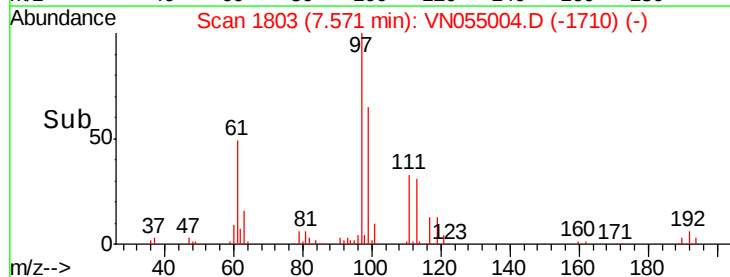
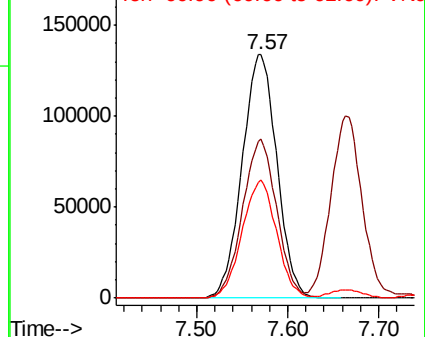
61 48.1 38.3 57.5

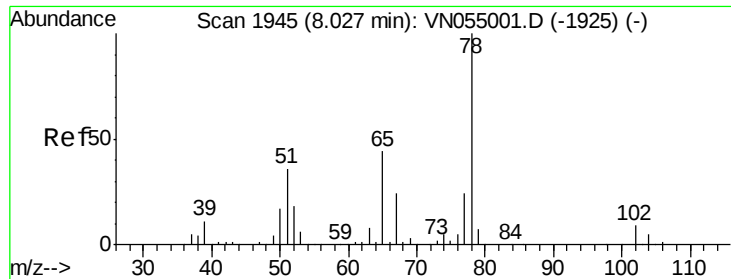


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

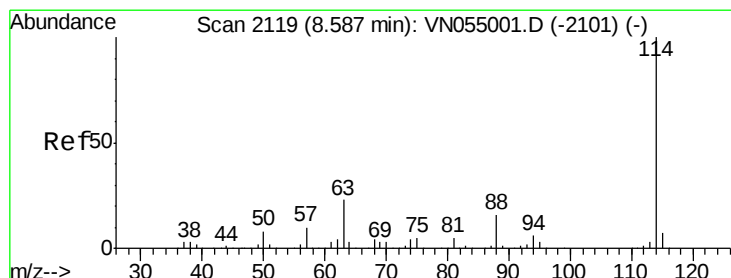
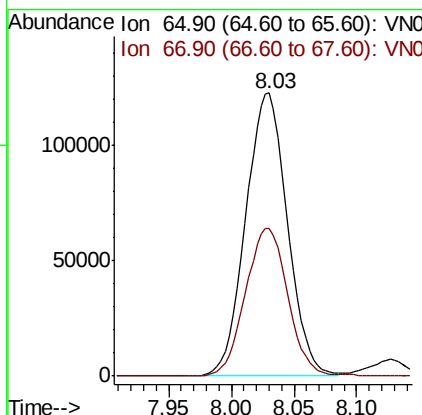
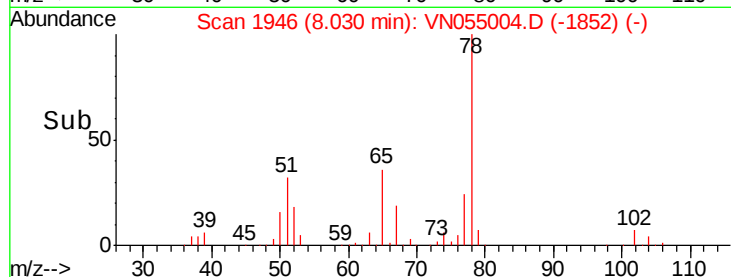
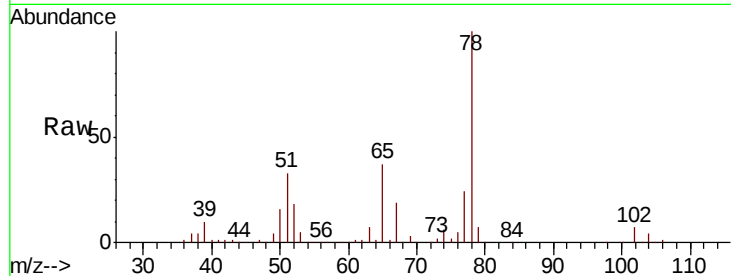




#33
 1,2-Dichloroethane-d4
 Concen: 49.646 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

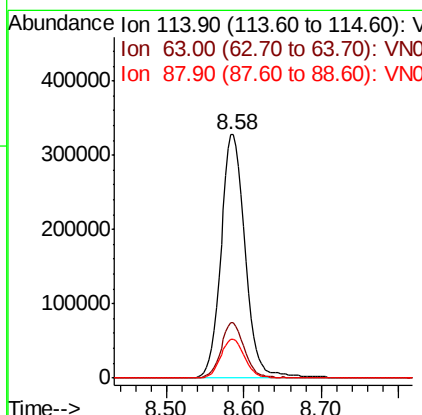
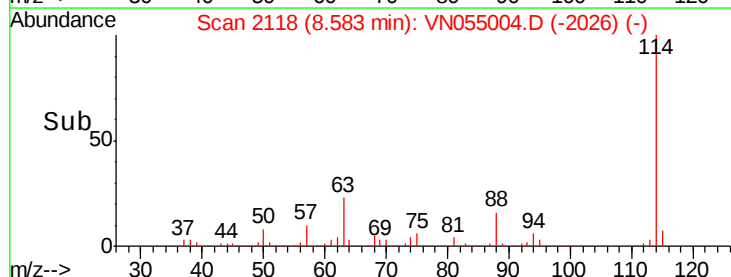
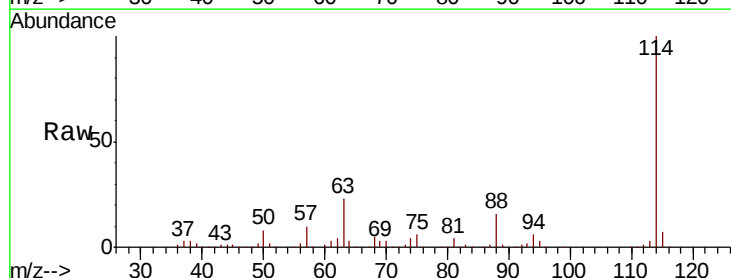
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

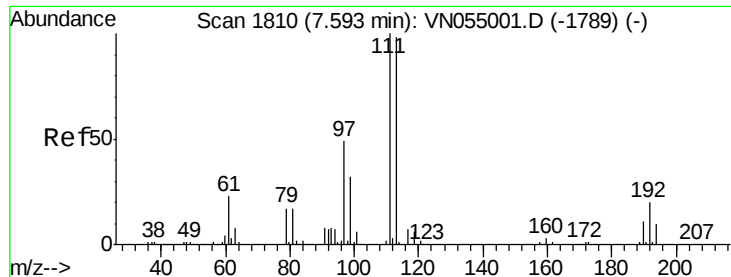
Tot Ion: 65 Resp: 282921
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion: 114 Resp: 714028
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 15.8 0.0 31.8

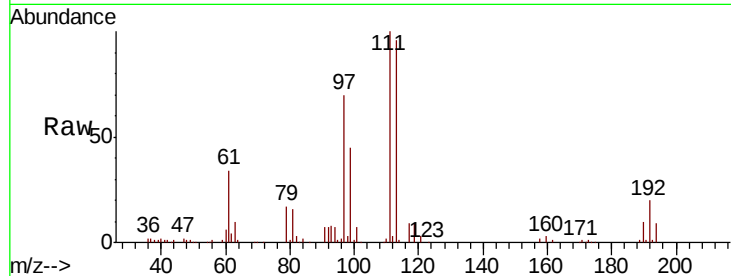




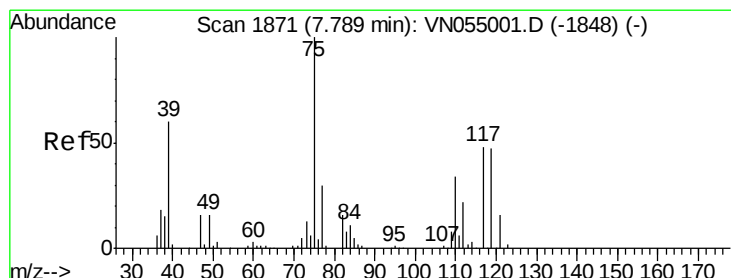
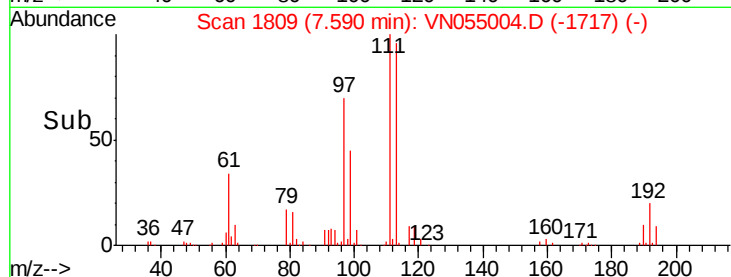
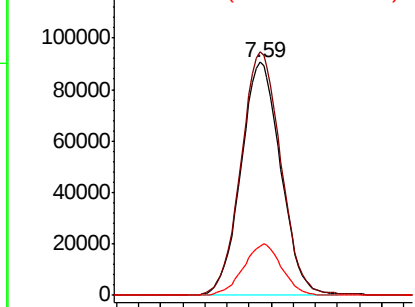
#35
 Dibromofluoromethane
 Concen: 49.812 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion:113 Resp: 226731
 Ion Ratio Lower Upper
 113 100
 111 105.1 82.1 123.1
 192 21.3 16.5 24.7

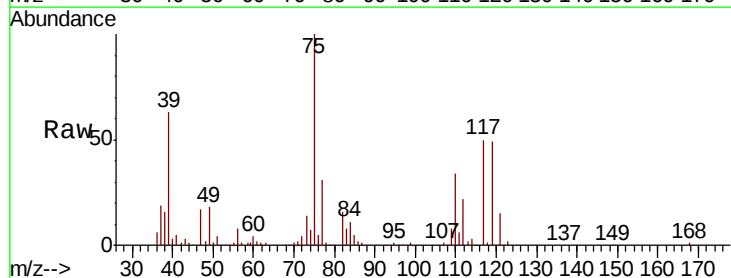


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

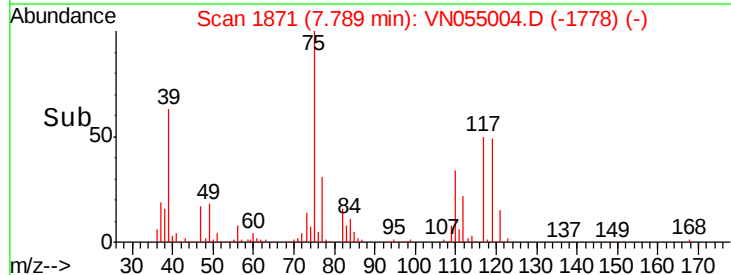
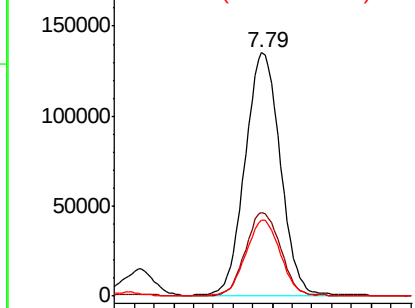


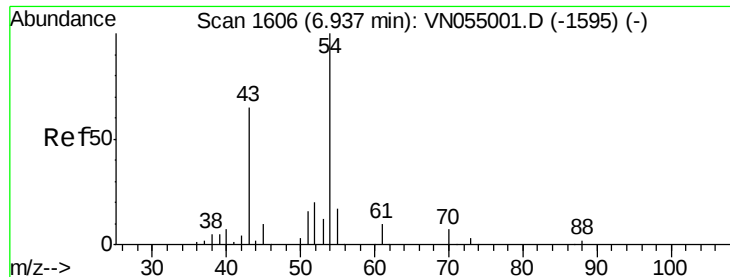
#36
 1,1-Dichloropropene
 Concen: 50.402 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion: 75 Resp: 332604
 Ion Ratio Lower Upper
 75 100
 110 34.6 17.5 52.5
 77 31.0 24.9 37.3



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

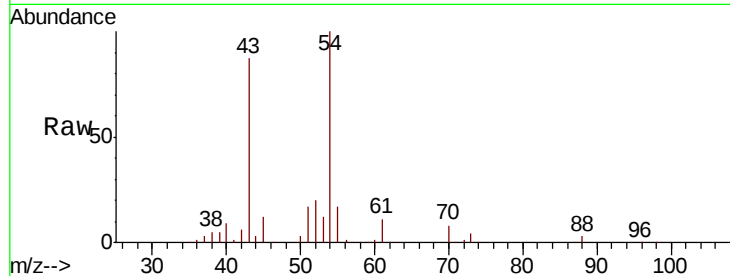




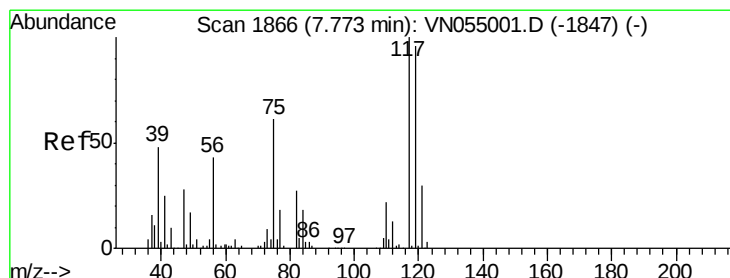
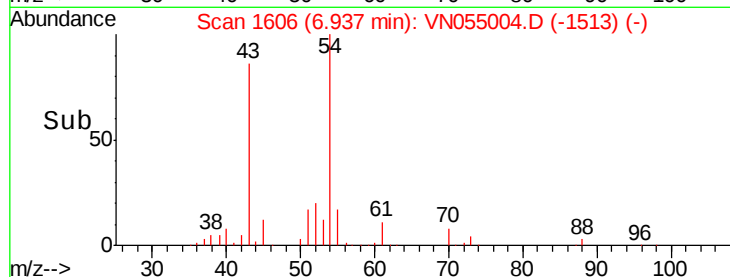
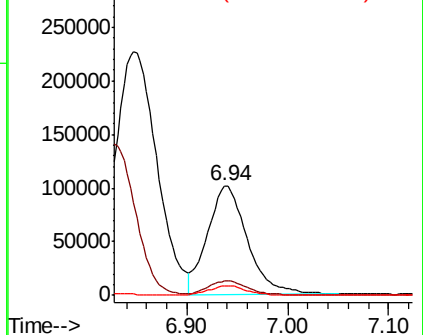
#37
Ethyl Acetate
Concen: 55.935 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion: 43 Resp: 277102
Ion Ratio Lower Upper
43 100
61 13.1 10.0 15.0
70 8.6 7.1 10.7

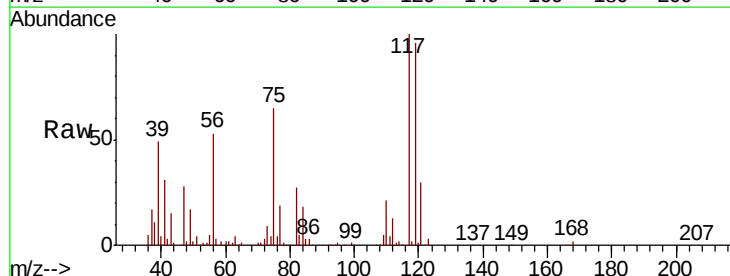


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

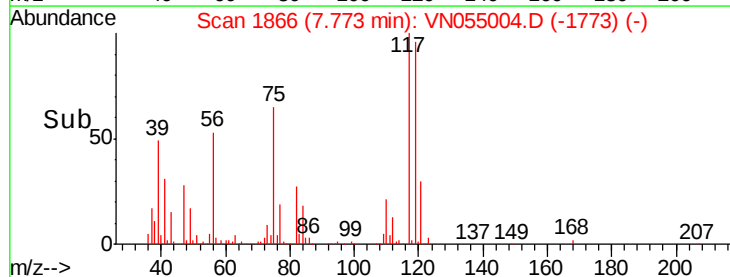
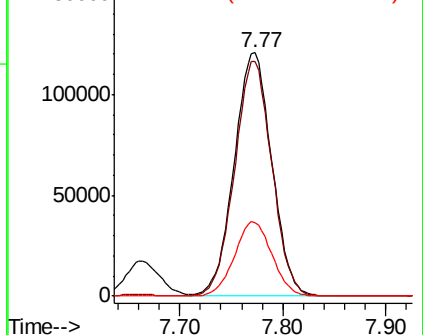


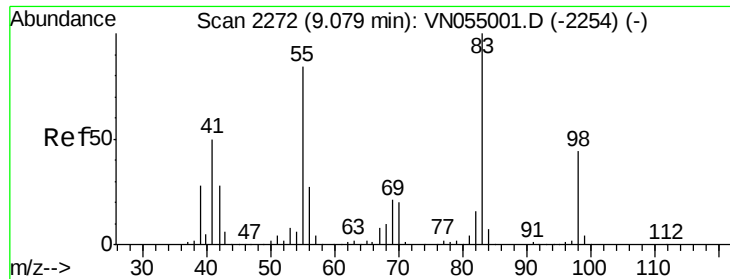
#38
Carbon Tetrachloride
Concen: 49.235 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 117 Resp: 305834
Ion Ratio Lower Upper
117 100
119 96.5 76.3 114.5
121 30.4 23.9 35.9



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

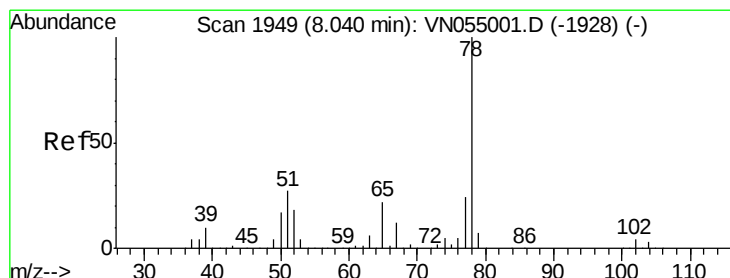
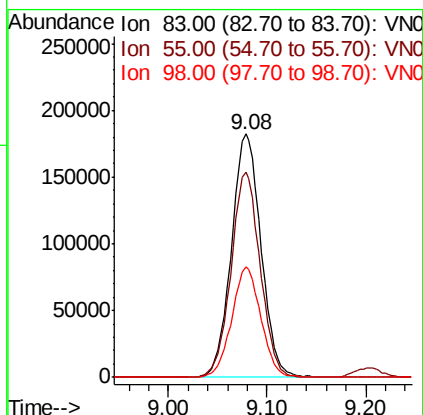
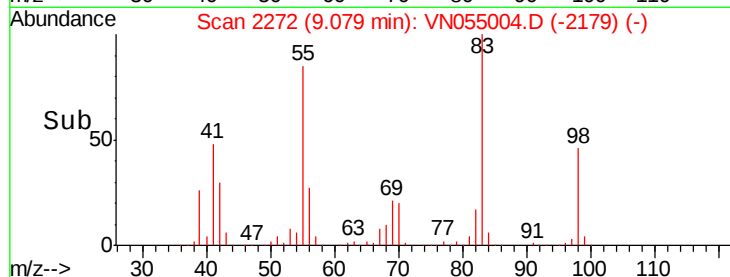
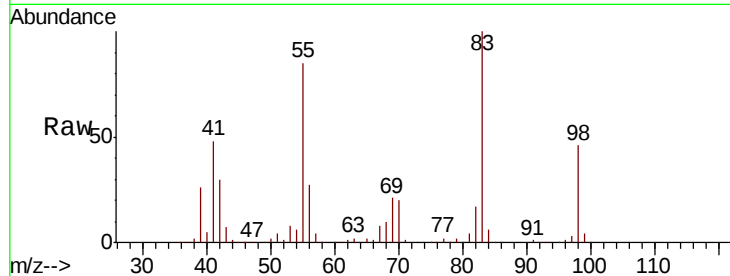




#39
Methvlcvclohexane
Concen: 50.317 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

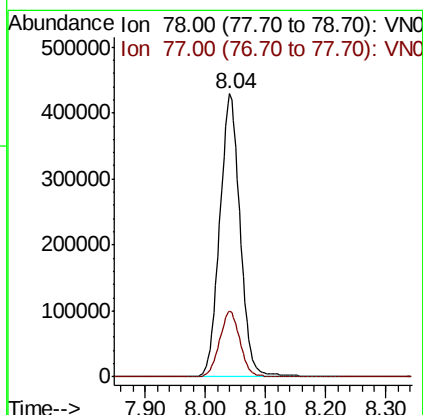
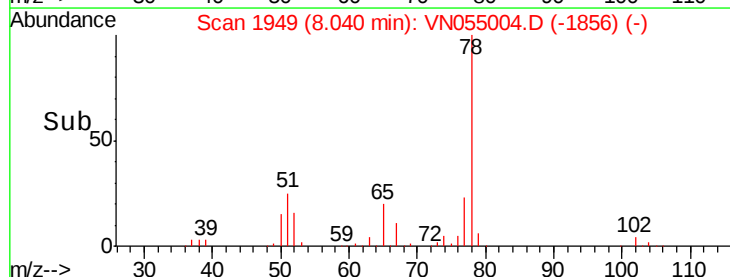
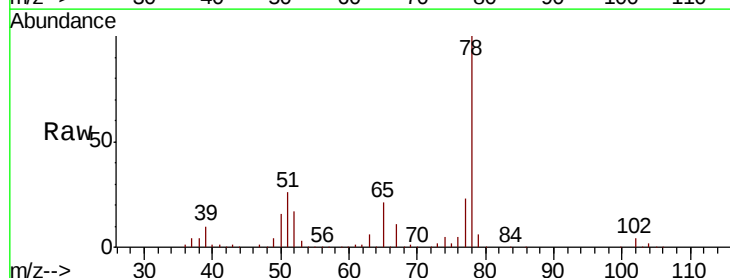
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

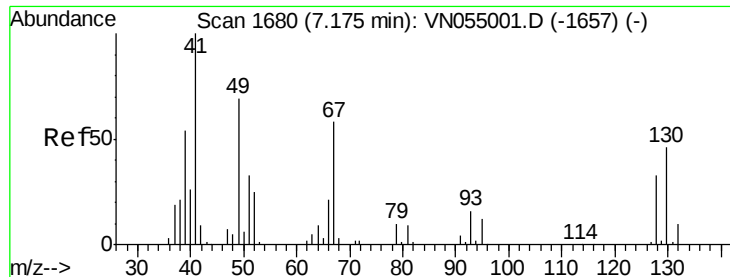
Tot Ion: 83 Resp: 380134
Ion Ratio Lower Upper
83 100
55 84.5 67.0 100.4
98 45.6 35.6 53.4



#40
Benzene
Concen: 50.049 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 78 Resp: 998536
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2

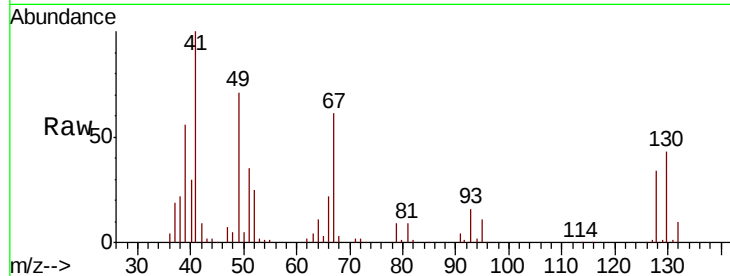




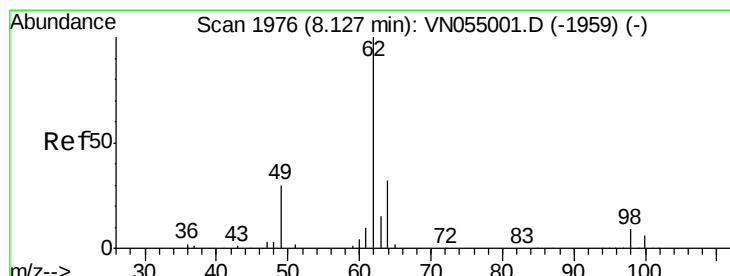
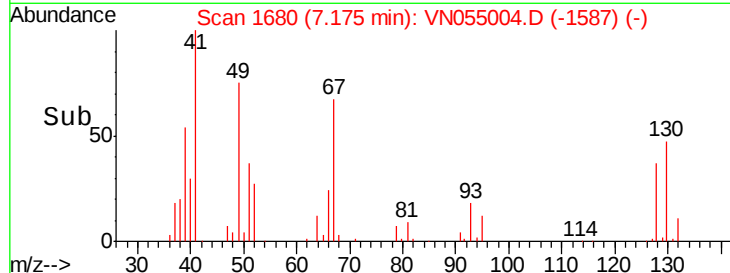
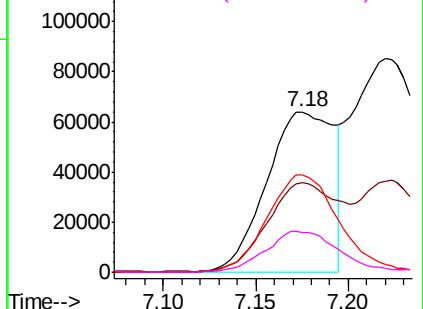
#41
Methacrylonitrile
Concen: 52.832 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

Tot Ion:	41	Resp:	161050
Ion	Ratio	Lower	Upper
41	100		
39	59.9	45.6	68.4
67	65.8	57.0	85.6
52	27.5	23.6	35.4

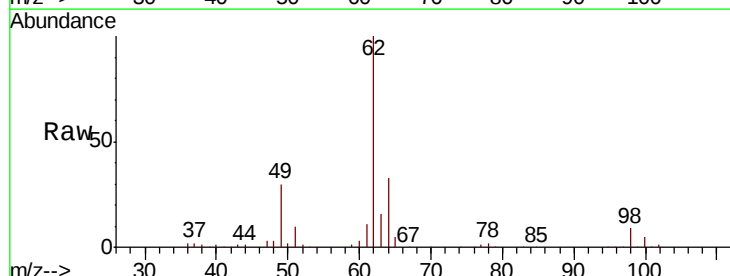


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

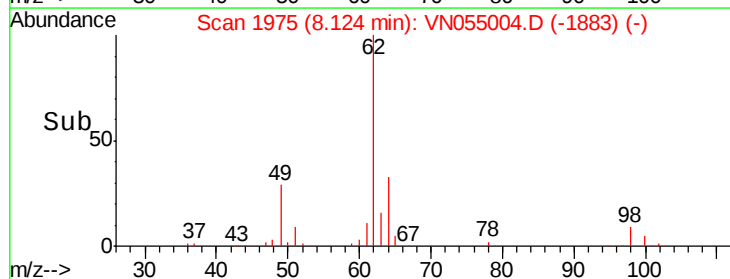
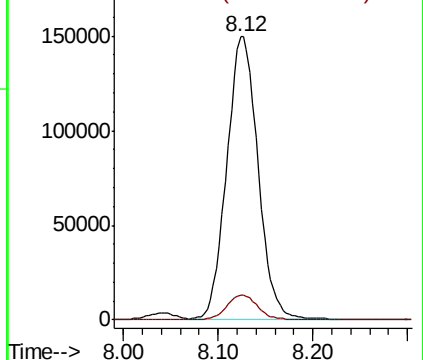


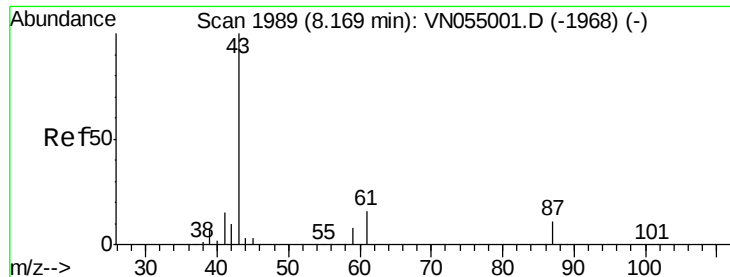
#42
1,2-Dichloroethane
Concen: 48.843 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:	62	Resp:	342800
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.4



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





#43

Isopropyl Acetate

Concen: 54.592 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

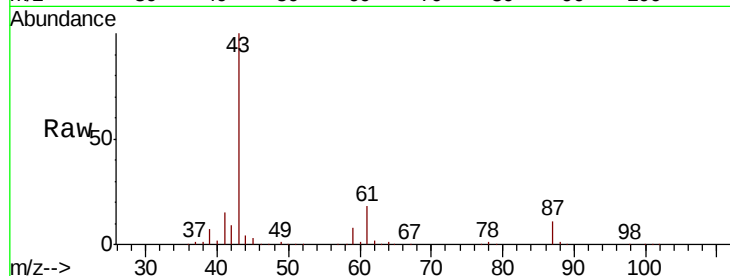
Tot Ion: 43 Resp: 462447

Ion Ratio Lower Upper

43 100

61 18.2 14.3 21.5

87 11.2 8.6 13.0

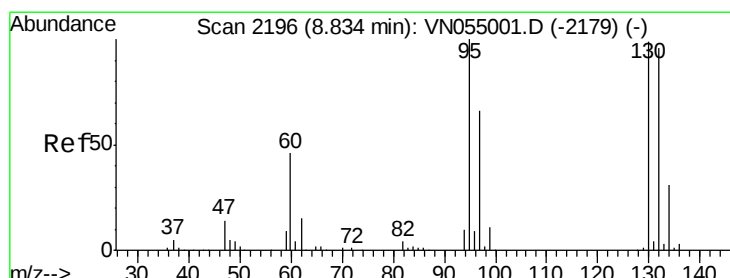
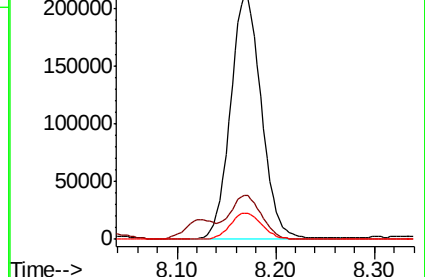
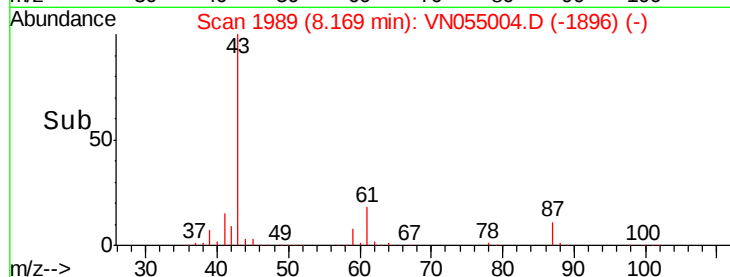


Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN055001.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN055001.D (-1968) (-)

8.17



#44

Trichloroethene

Concen: 49.657 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055004.D

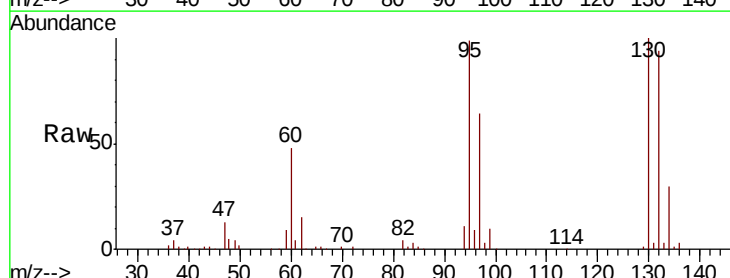
Acq: 12 Apr 2019 17:25

Tgt Ion:130 Resp: 253183

Ion Ratio Lower Upper

130 100

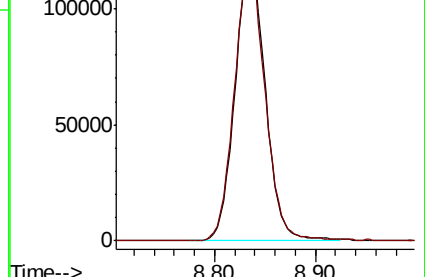
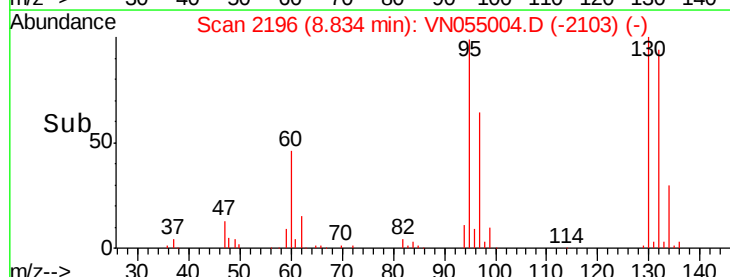
95 99.4 0.0 201.6

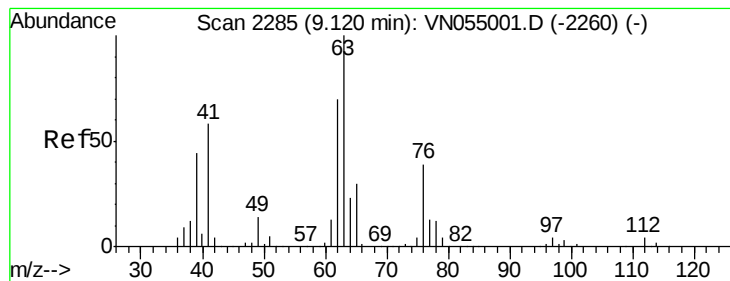


Abundance Ion 129.80 (129.50 to 130.50): VN055001.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055001.D (-2179) (-)

8.83





#45

1,2-Dichloropropane

Concen: 49.177 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

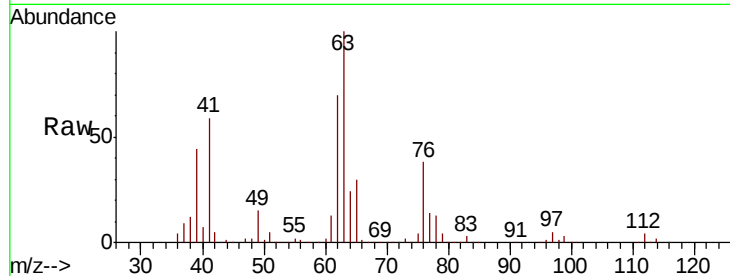
ICV041319

Tot Ion: 63 Resp: 276873

Ion Ratio Lower Upper

63 100

65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

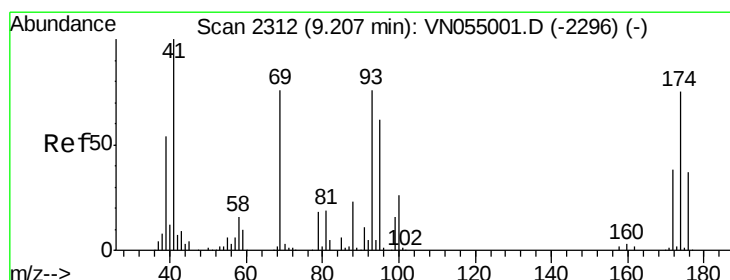
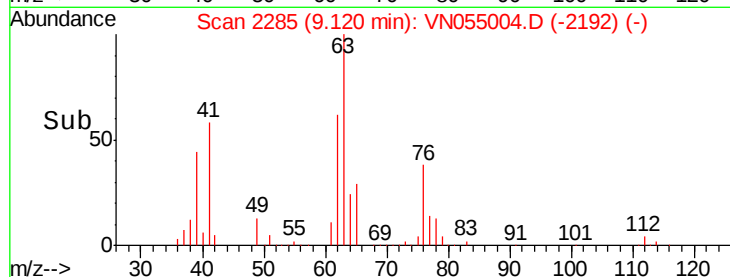
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 49.081 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

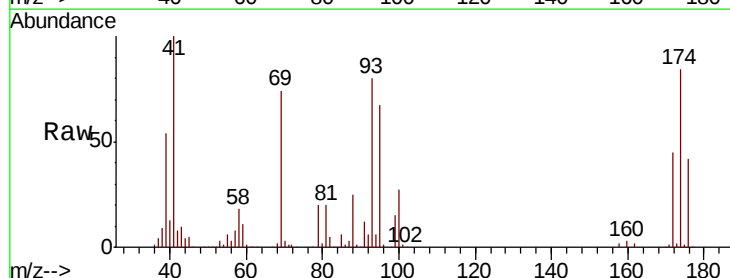
Tgt Ion: 93 Resp: 158337

Ion Ratio Lower Upper

93 100

95 83.3 65.0 97.6

174 104.8 81.0 121.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

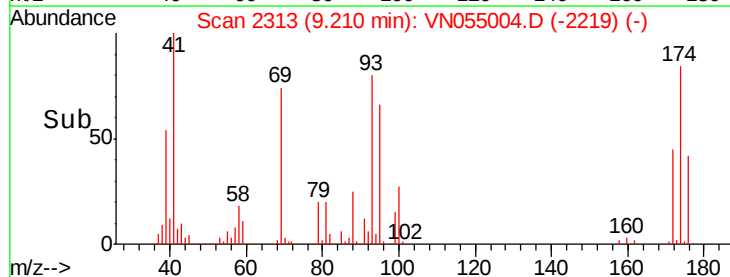
40000

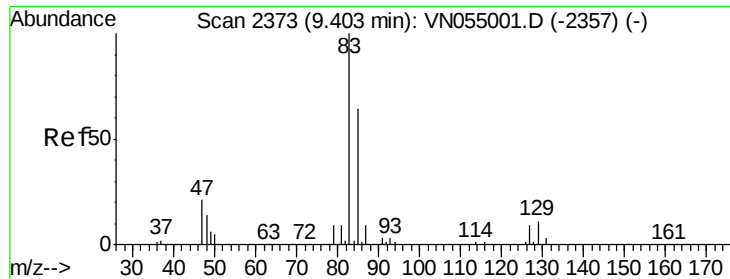
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





#47

Bromodichloromethane

Concen: 50.645 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

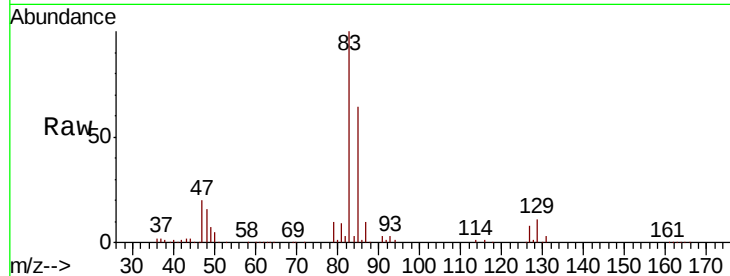
Tot Ion: 83 Resp: 332254

Ion Ratio Lower Upper

83 100

85 64.3 51.2 76.8

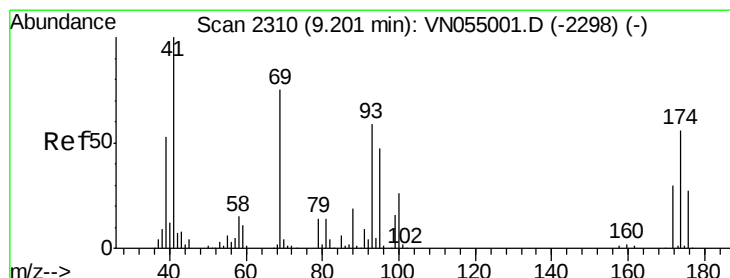
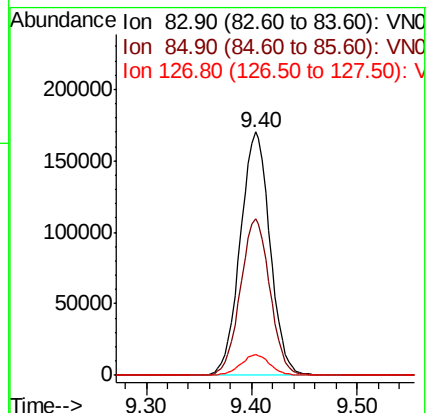
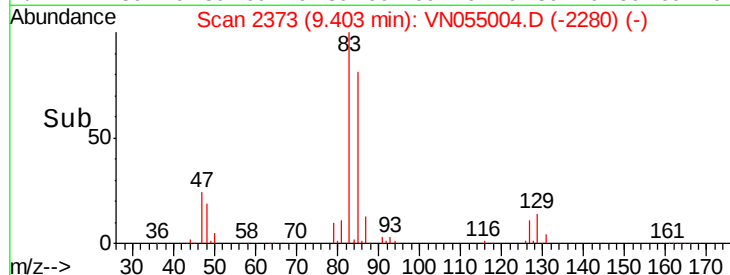
127 8.4 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN055004.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055004.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055004.D (-2280) (-)



#48

Methyl methacrylate

Concen: 52.131 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

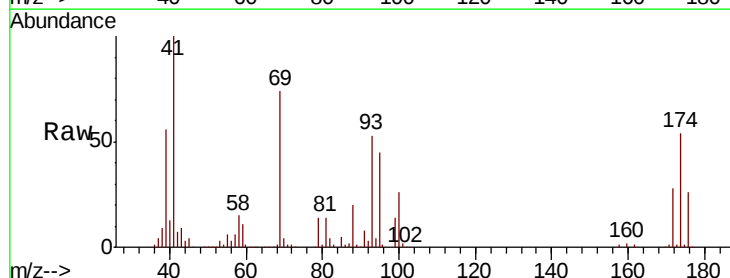
Tgt Ion: 41 Resp: 227489

Ion Ratio Lower Upper

41 100

69 77.0 60.5 90.7

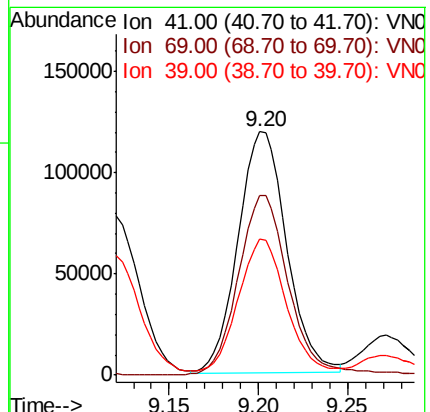
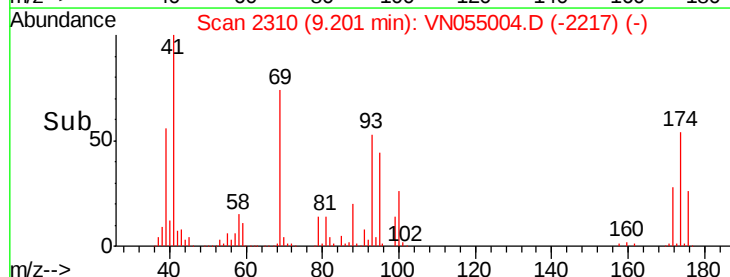
39 55.9 43.9 65.9

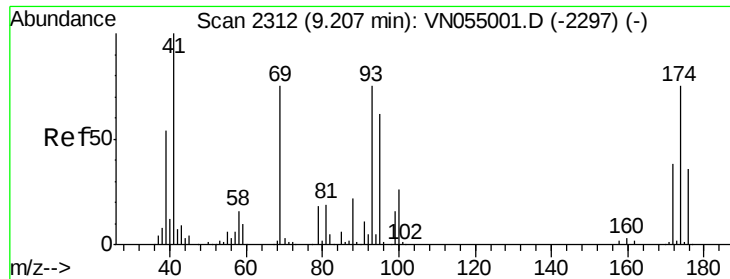


Abundance Ion 41.00 (40.70 to 41.70): VN055004.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055004.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055004.D (-2217) (-)





#49

1,4-Dioxane

Concen: 1121.629 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

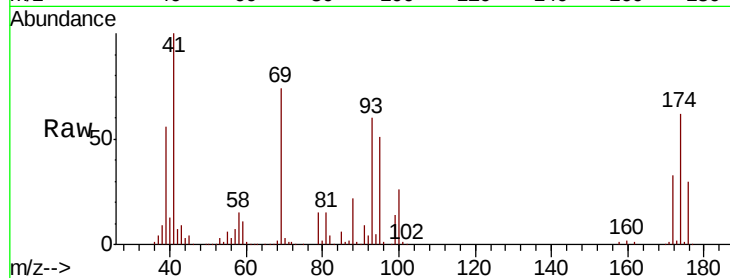
Tot Ion: 88 Resp: 52638

Ion Ratio Lower Upper

88 100

43 38.4 31.8 47.8

58 75.7 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN055001.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055001.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2297) (-)

250000

200000

150000

100000

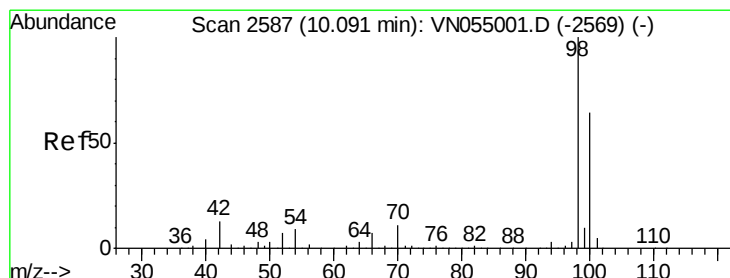
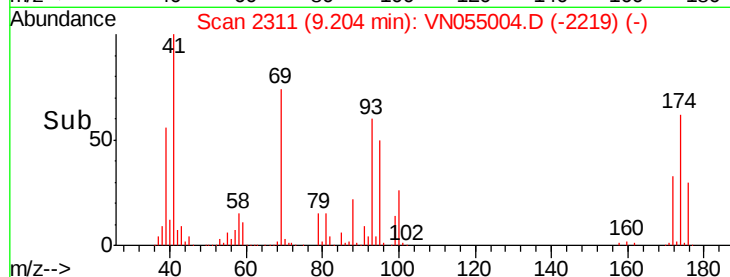
50000

0

9.20

9.10 9.15 9.20 9.25 9.30

Time-->



#50

Toluene-d8

Concen: 50.559 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055004.D

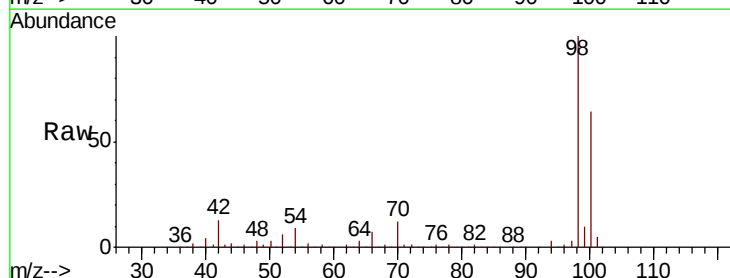
Acq: 12 Apr 2019 17:25

Tgt Ion: 98 Resp: 845248

Ion Ratio Lower Upper

98 100

100 63.8 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN055001.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN055001.D (-2569) (-)

500000

400000

300000

200000

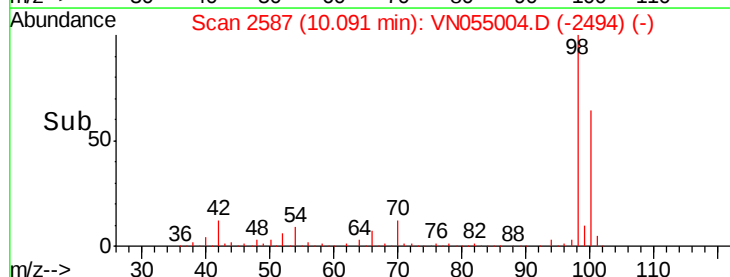
100000

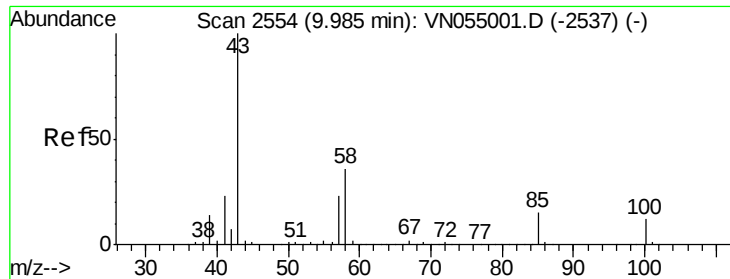
0

10.09

10.00 10.10 10.20

Time-->





#51

4-Methyl-2-Pentanone

Concen: 268.169 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

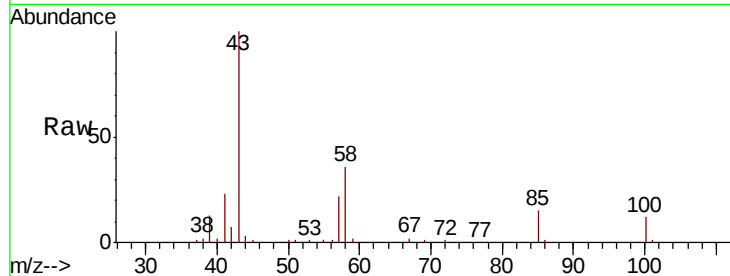
ICVVN041319

Tot Ion: 43 Resp: 1330106

Ion Ratio Lower Upper

43 100

58 35.9 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN055001.D (-2537) (-)

9.99

800000

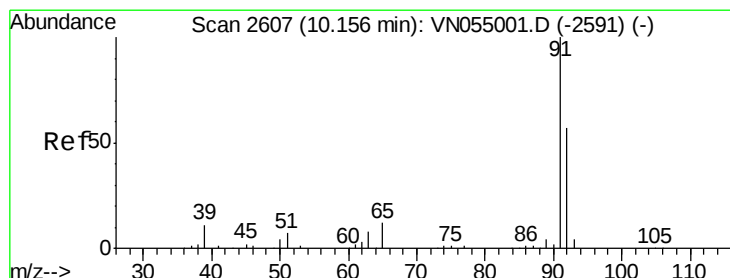
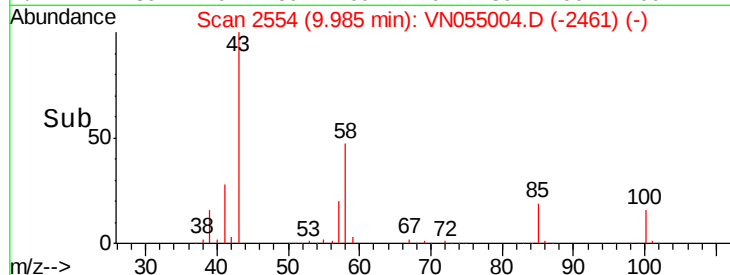
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 50.108 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055004.D

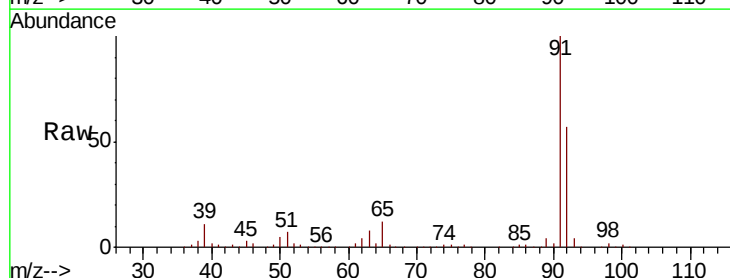
Acq: 12 Apr 2019 17:25

Tgt Ion: 92 Resp: 591238

Ion Ratio Lower Upper

92 100

91 175.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN055001.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN055001.D (-2591) (-)

10.16

600000

500000

400000

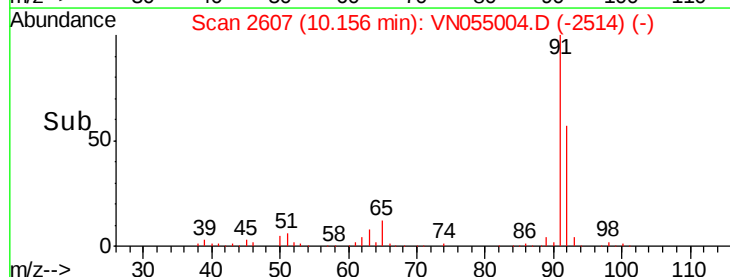
300000

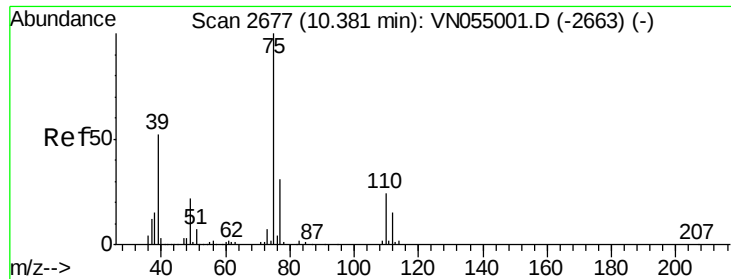
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 54.429 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

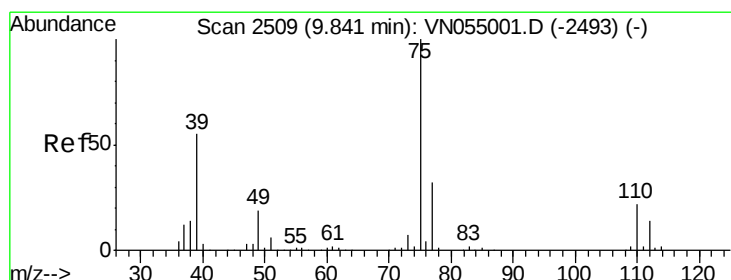
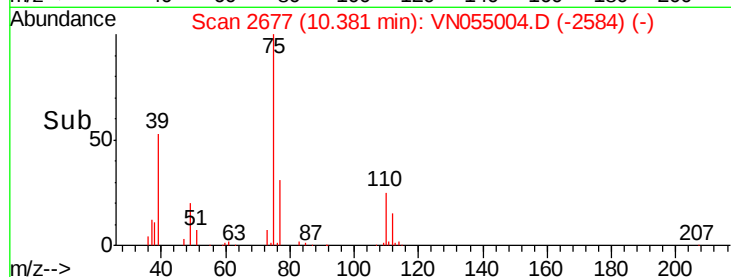
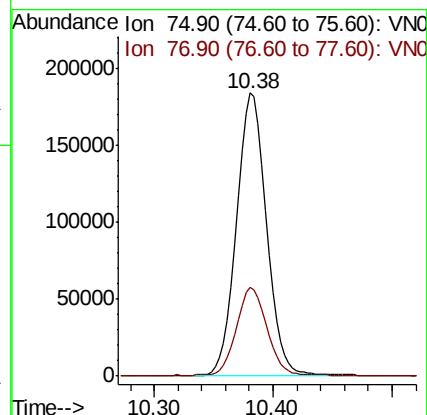
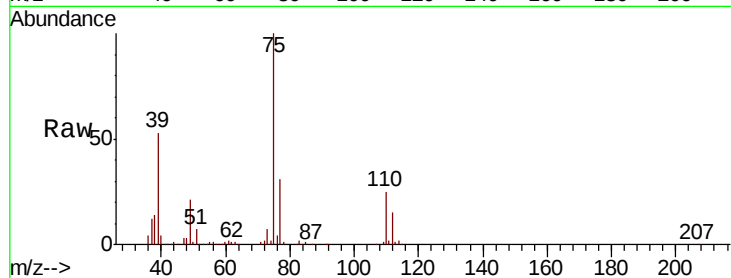
ICVVN041319

Tot Ion: 75 Resp: 323334

Ion Ratio Lower Upper

75 100

77 31.0 24.6 37.0



#54

cis-1,3-Dichloropropene

Concen: 53.099 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

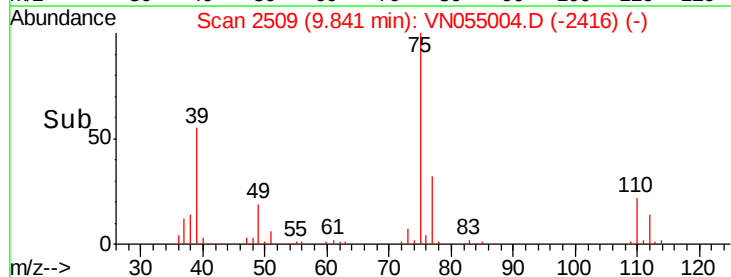
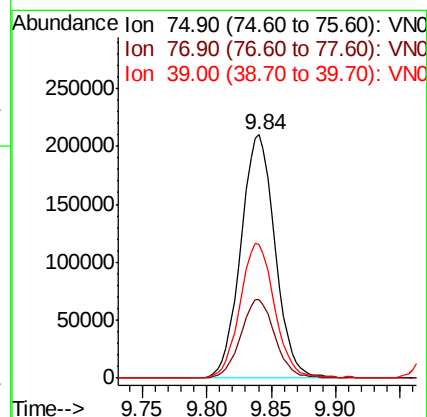
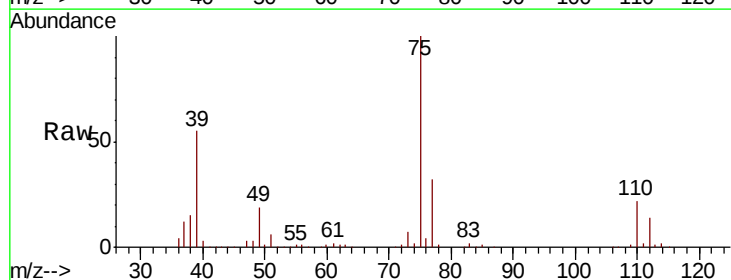
Tgt Ion: 75 Resp: 388563

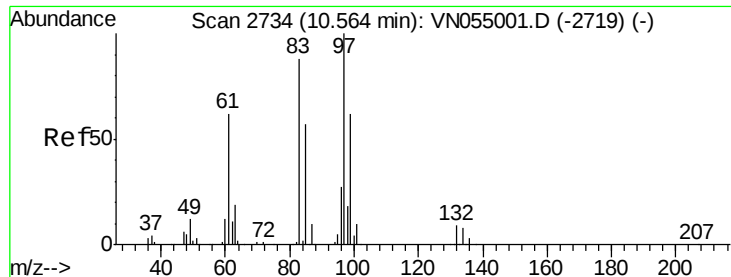
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6

39 54.9 43.8 65.8

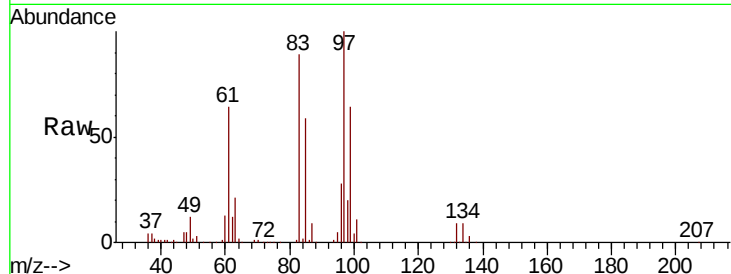




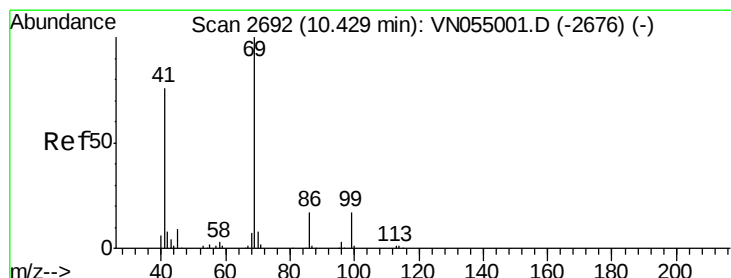
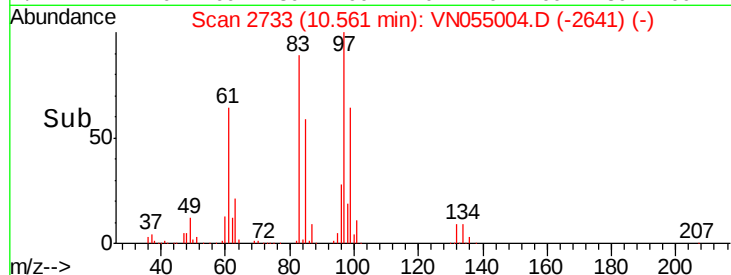
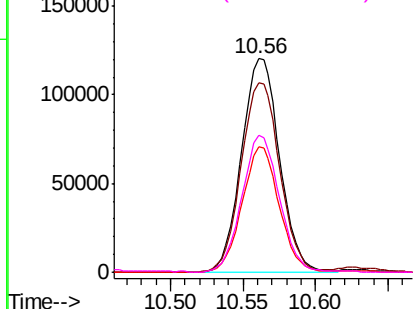
#55
 1,1,2-Trichloroethane
 Concen: 50.114 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion:	97	Resp:	220272
Ion	Ratio	Lower	Upper
97	100		
83	88.8	70.5	105.7
85	58.8	45.5	68.3
99	63.8	49.4	74.0

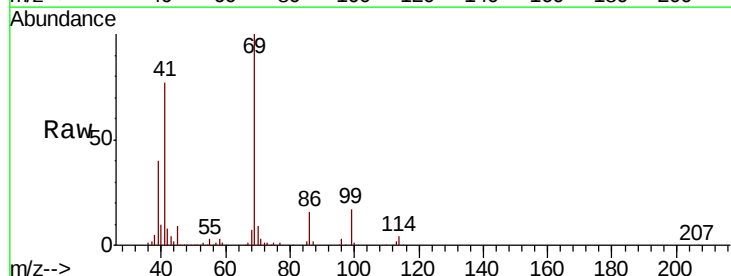


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

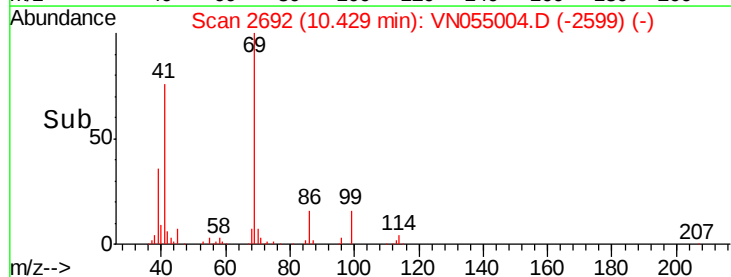
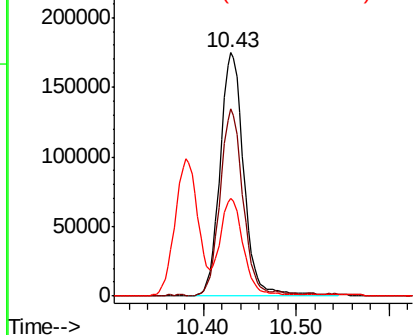


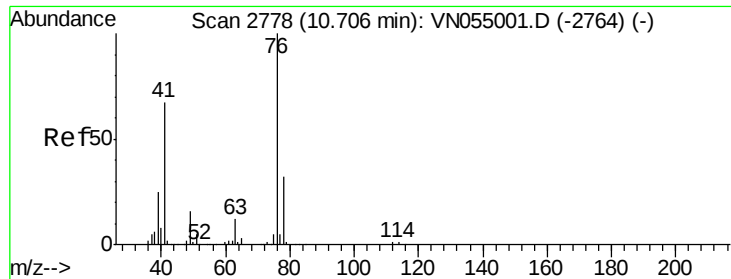
#56
 Ethyl methacrylate
 Concen: 55.102 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion:	69	Resp:	311651
Ion	Ratio	Lower	Upper
69	100		
41	73.7	61.4	92.0
39	38.3	30.8	46.2



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





#57

1,3-Dichloropropane

Concen: 51.781 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

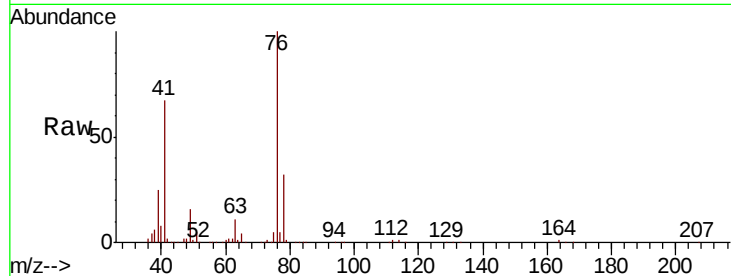
ICVVN041319

Tot Ion: 76 Resp: 392630

Ion Ratio Lower Upper

76 100

78 32.0 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

200000

150000

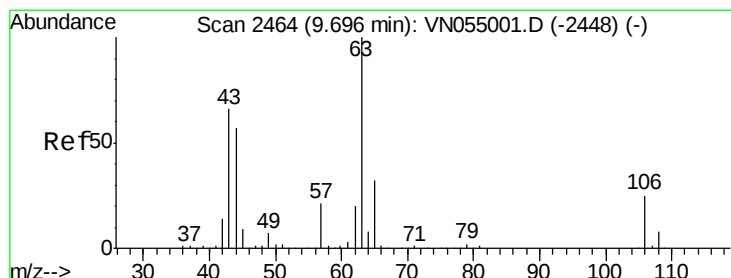
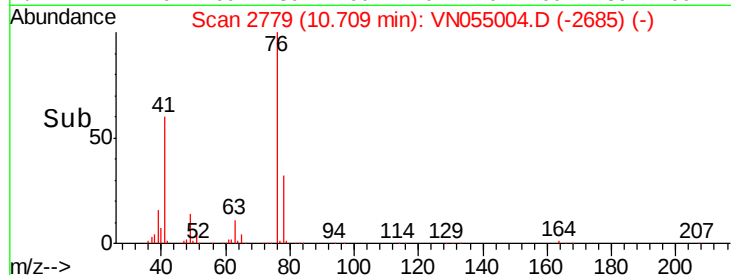
100000

50000

0

Time-->

10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 241.313 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055004.D

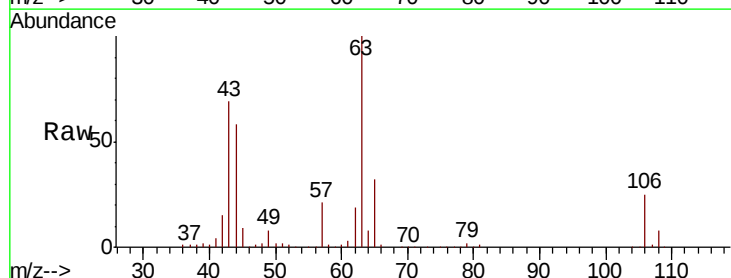
Acq: 12 Apr 2019 17:25

Tgt Ion: 63 Resp: 611538

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

400000

300000

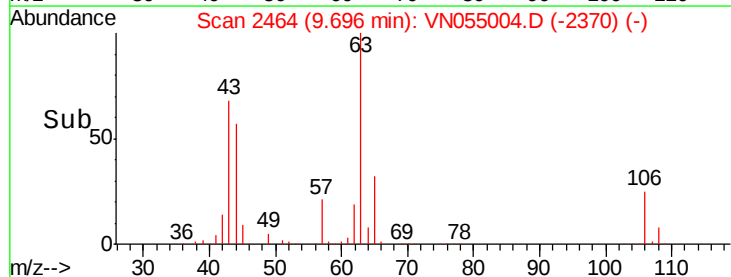
200000

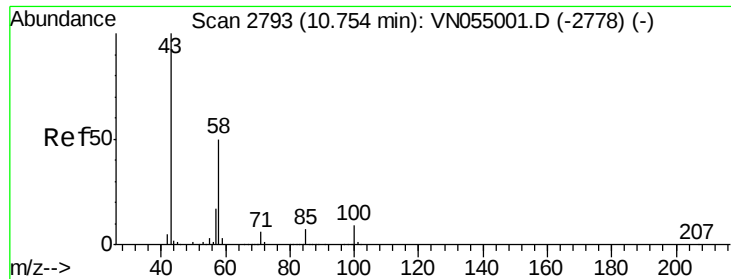
100000

0

Time-->

9.60 9.70 9.80

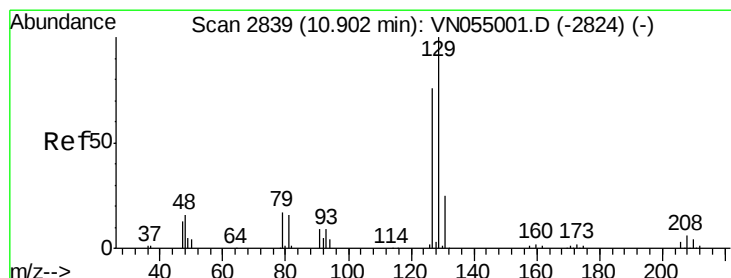
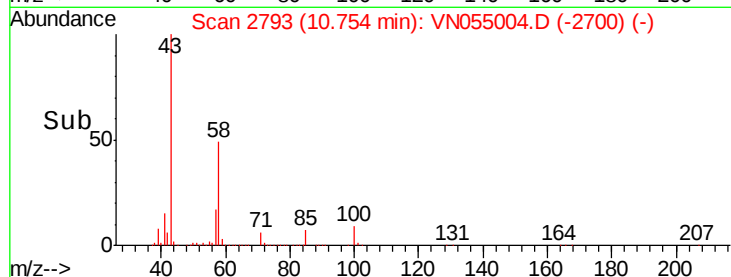
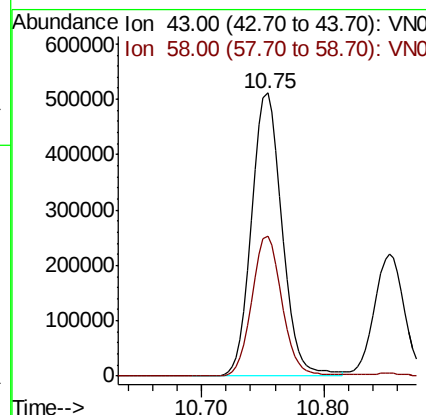
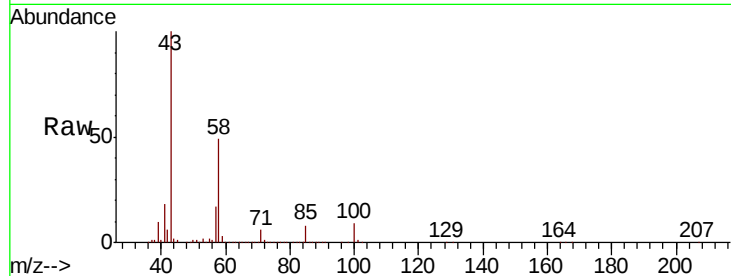




#59
2-Hexanone
Concen: 282.889 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

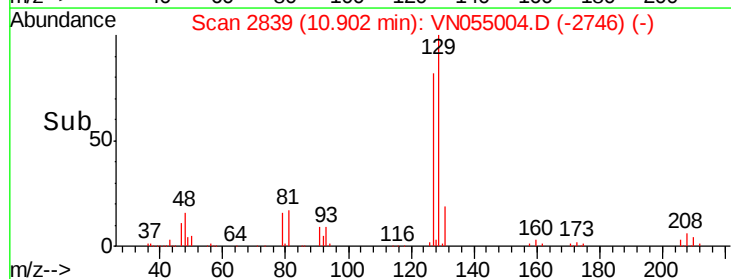
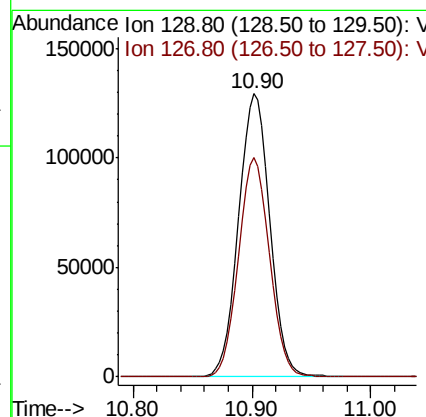
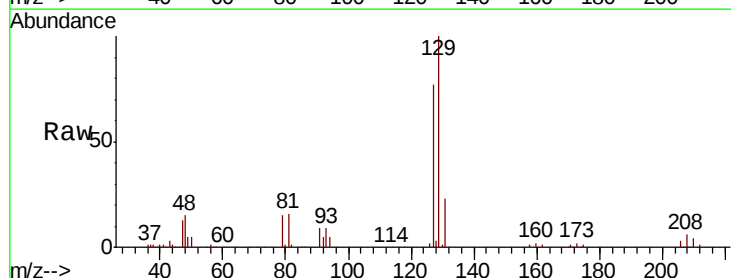
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

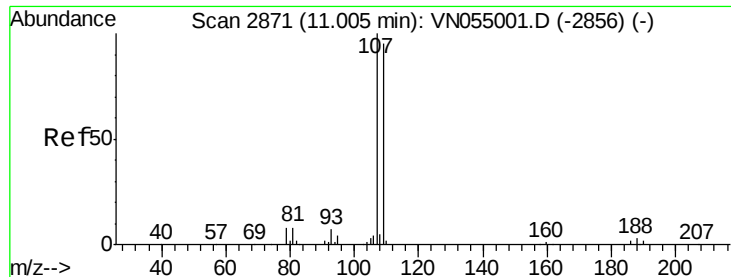
Tot Ion: 43 Resp: 876800
Ion Ratio Lower Upper
43 100
58 49.5 25.1 75.2



#60
Dibromochloromethane
Concen: 53.907 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion: 129 Resp: 235855
Ion Ratio Lower Upper
129 100
127 76.7 38.2 114.6

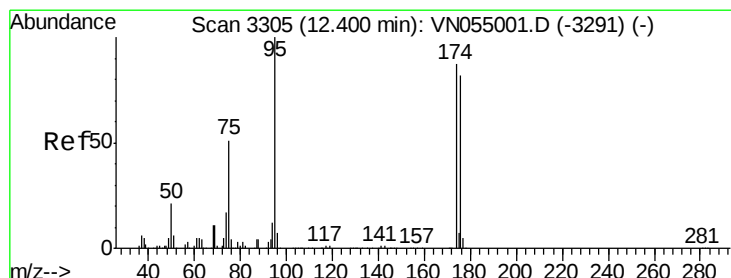
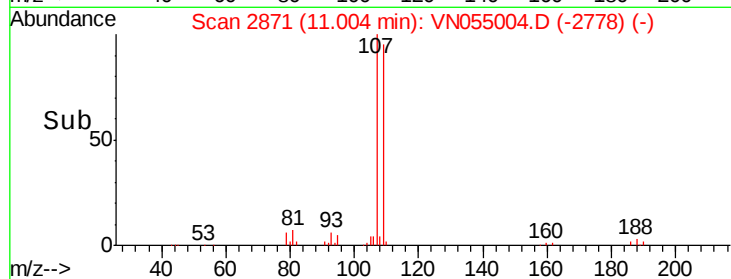
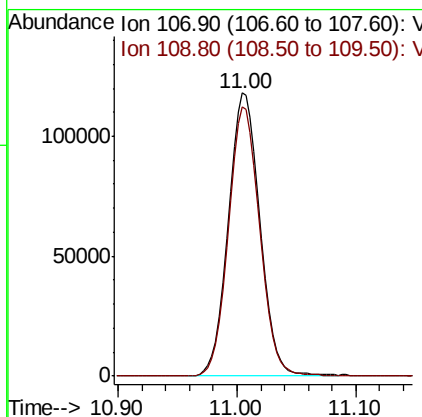
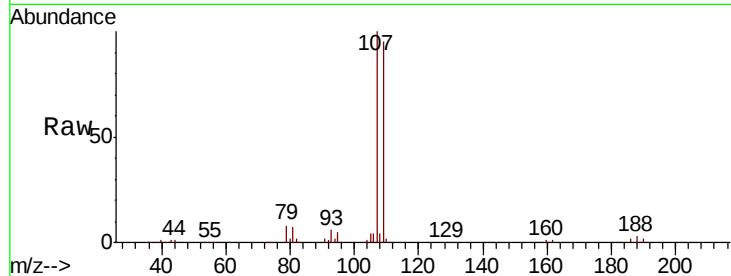




#61
 1,2-Dibromoethane
 Concen: 51.559 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

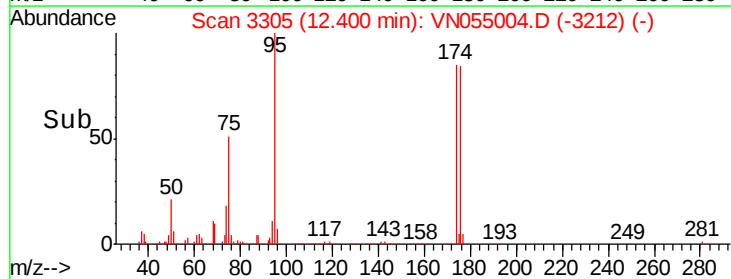
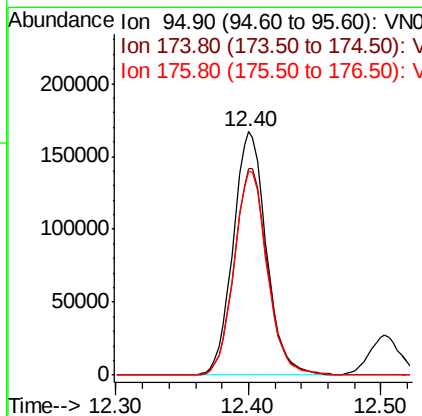
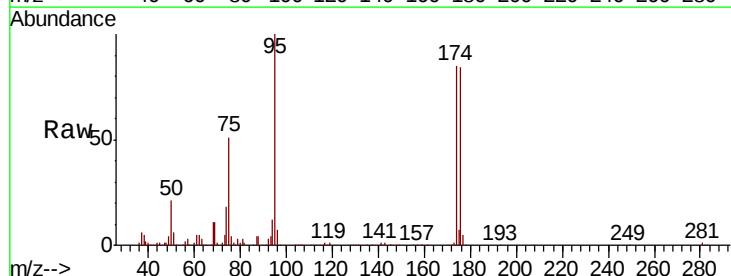
Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN041319

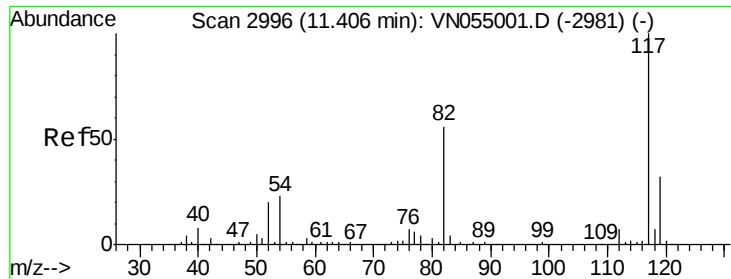
Tot Ion:107 Resp: 216979
 Ion Ratio Lower Upper
 107 100
 109 94.5 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 51.670 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion: 95 Resp: 290974
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 174.4
 176 83.3 0.0 166.8

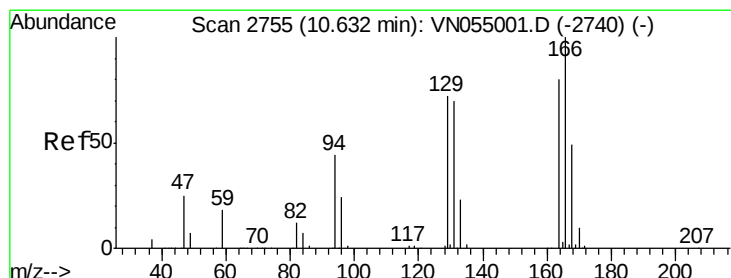
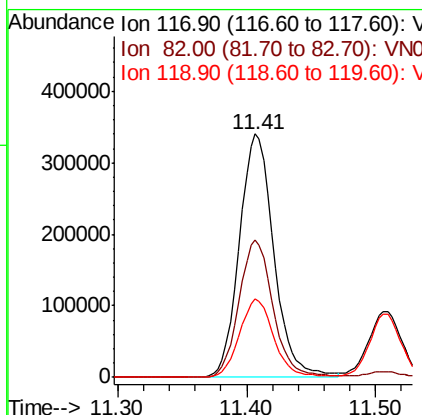
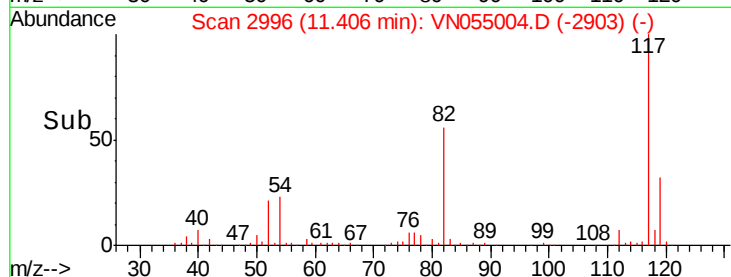
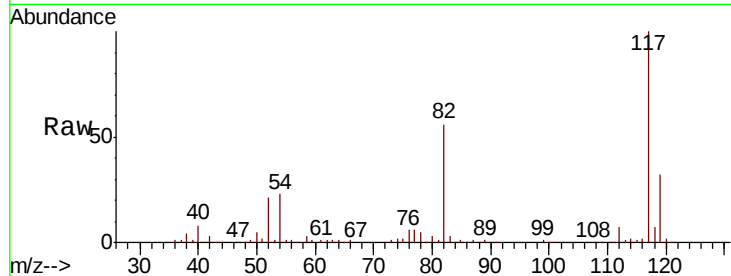




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

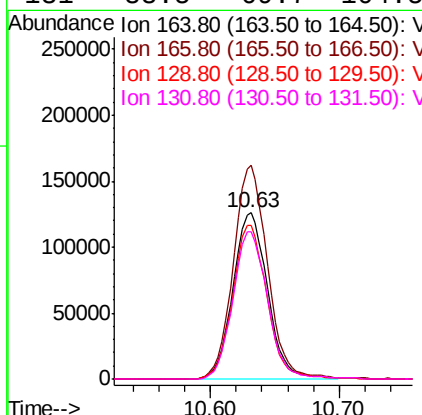
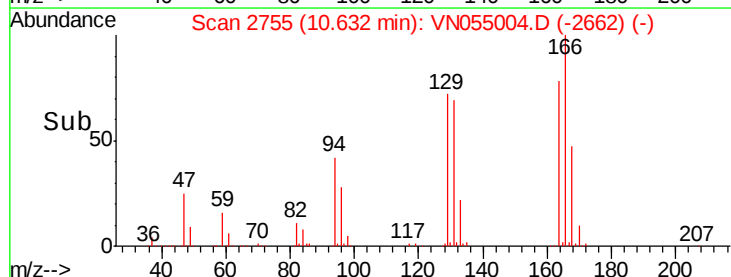
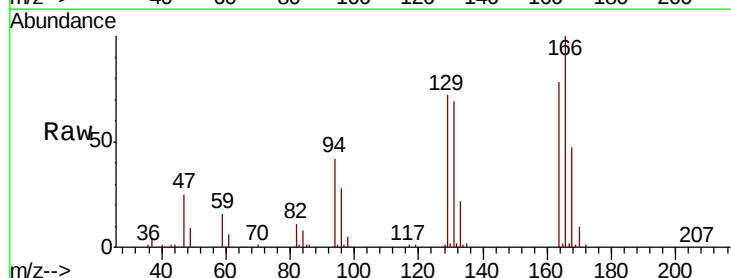
Instrument :
MSVOA_N
ClientSampled :
ICVVN041319

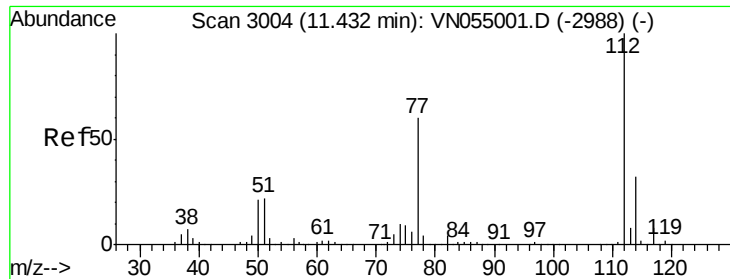
Tot Ion:117 Resp: 634498
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 47.386 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:164 Resp: 235184
Ion Ratio Lower Upper
164 100
166 128.4 100.0 150.0
129 92.2 72.0 108.0
131 88.5 69.7 104.5

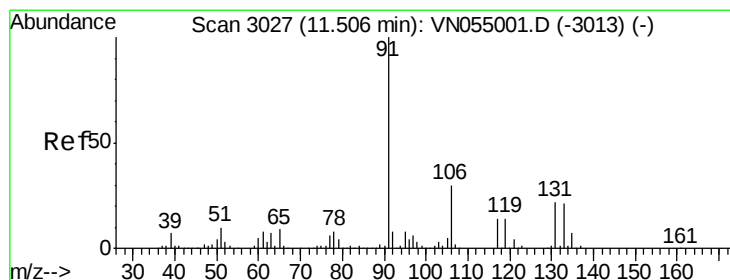
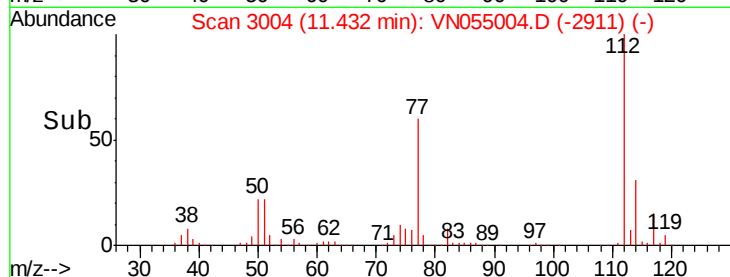
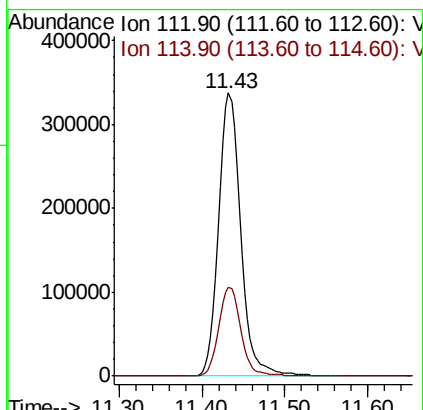
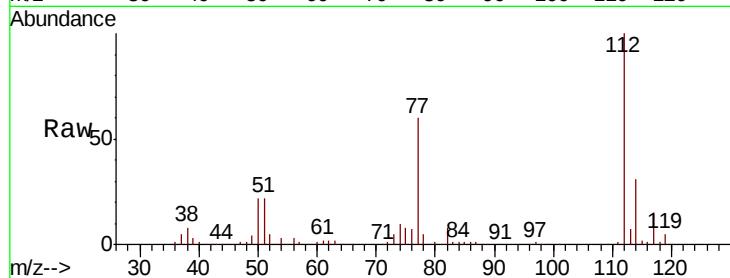




#65
Chlorobenzene
Concen: 50.854 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

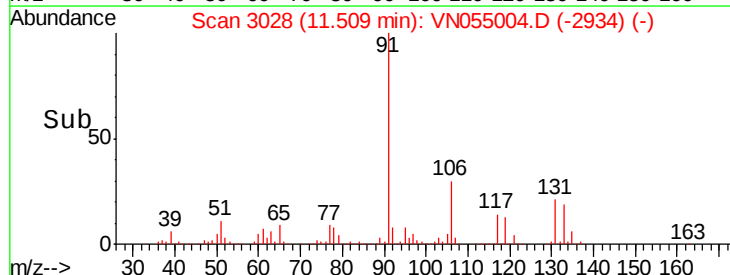
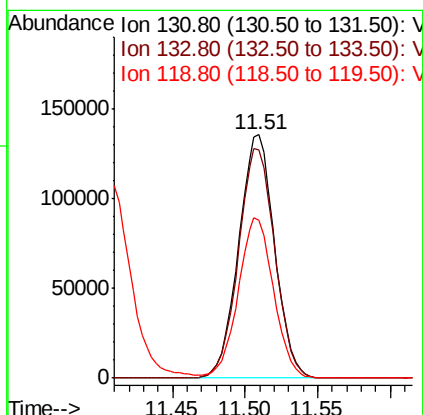
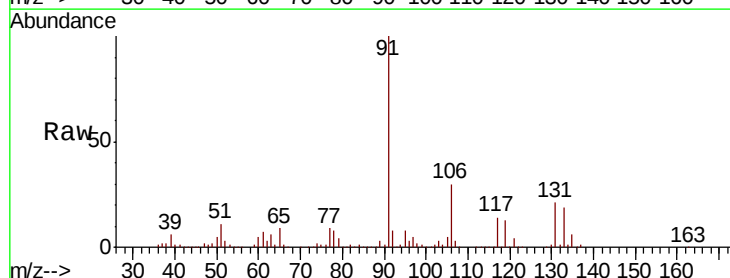
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

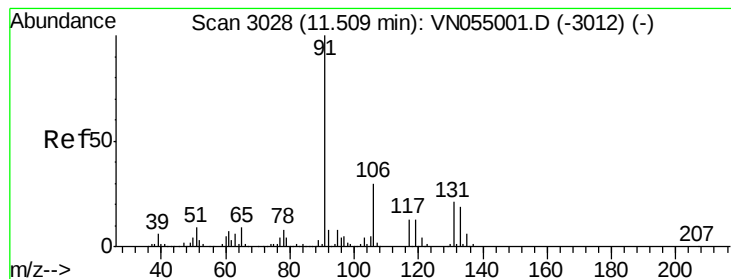
Tot Ion:112 Resp: 622155
Ion Ratio Lower Upper
112 100
114 31.5 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 51.740 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:131 Resp: 233276
Ion Ratio Lower Upper
131 100
133 95.5 47.8 143.3
119 64.9 33.6 100.6





#67

Ethyl Benzene

Concen: 50.204 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

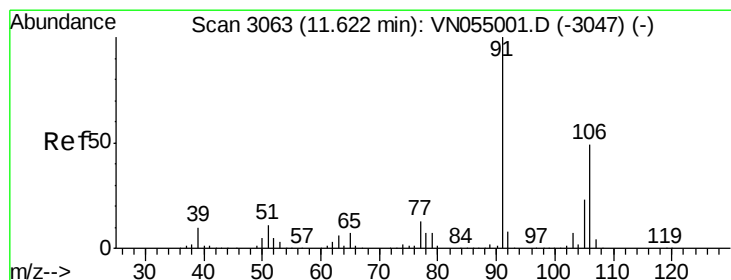
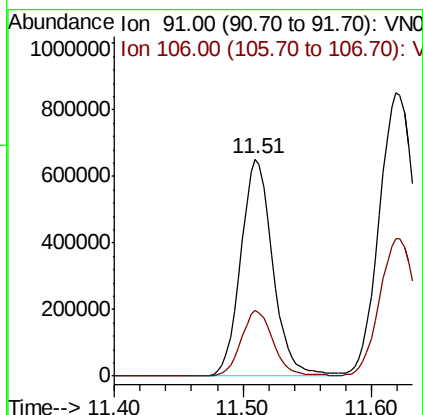
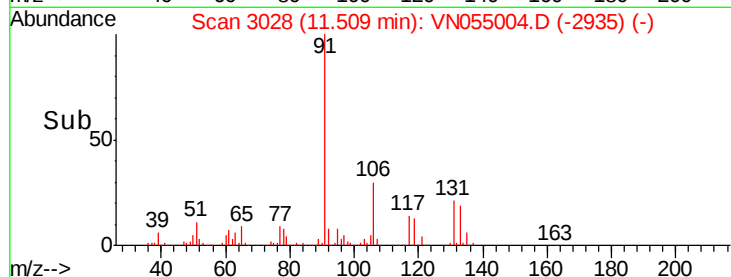
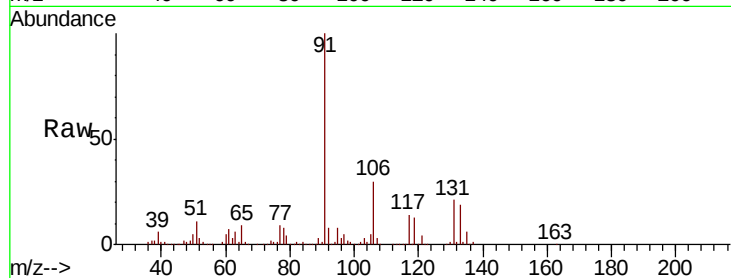
ICVVN041319

Tot Ion: 91 Resp: 1128231

Ion Ratio Lower Upper

91 100

106 30.2 24.3 36.5



#68

m/p-Xylenes

Concen: 101.798 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055004.D

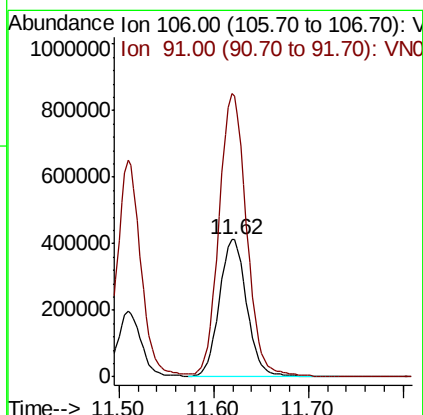
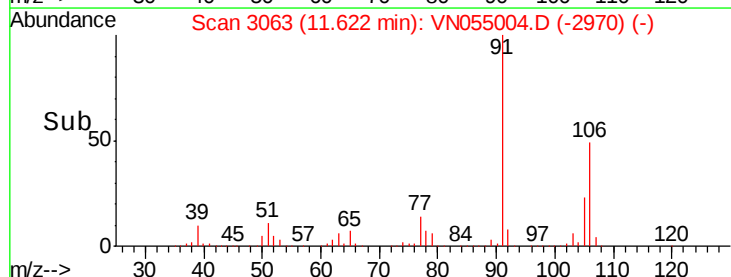
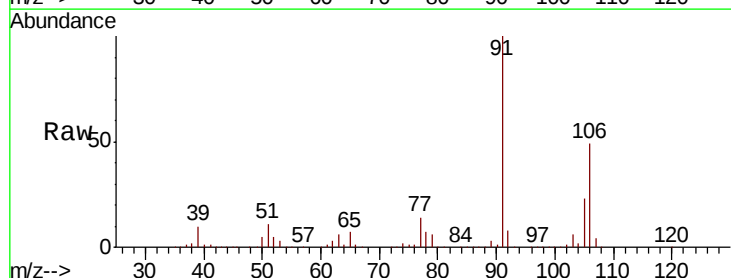
Acq: 12 Apr 2019 17:25

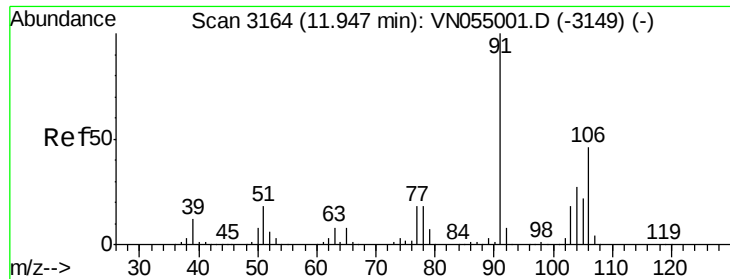
Tgt Ion: 106 Resp: 836983

Ion Ratio Lower Upper

106 100

91 207.0 165.9 248.9

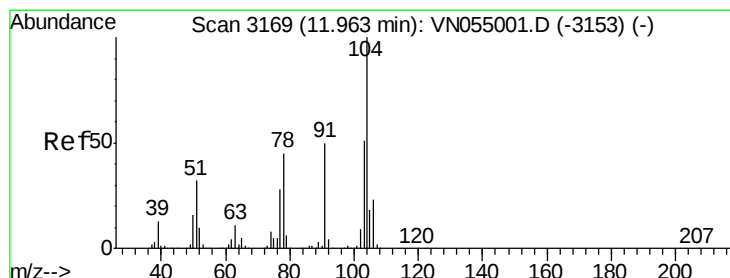
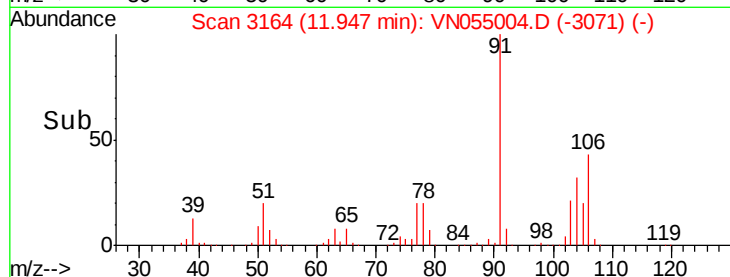
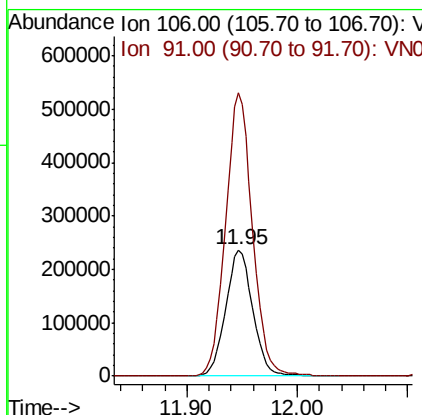
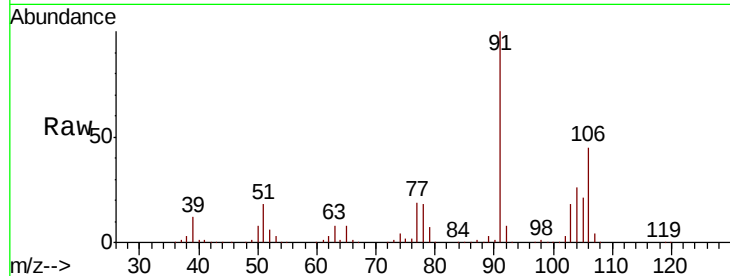




#69
o-Xylene
Concen: 49.438 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

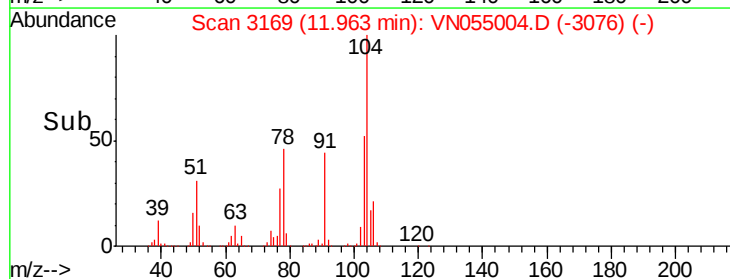
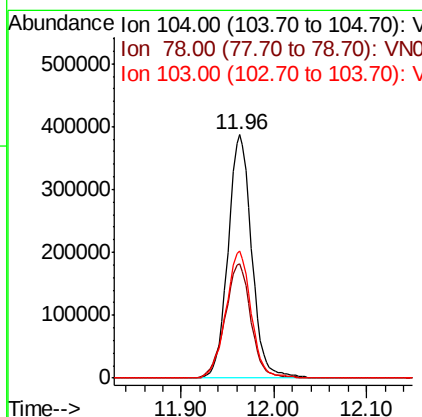
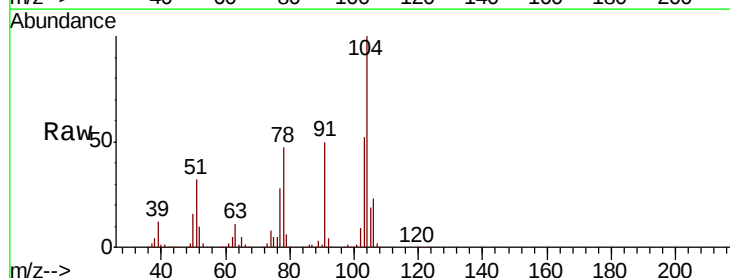
Instrument :
MSVOA_N
ClientSampled :
ICVVO41319

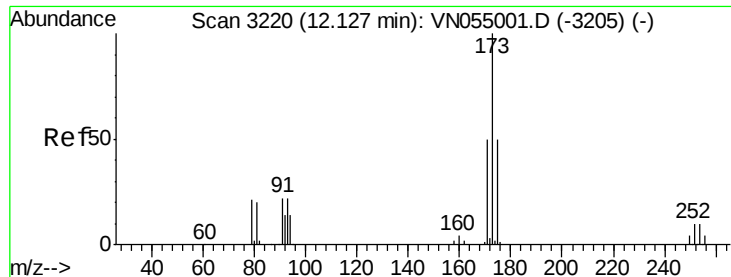
Tot Ion:106 Resp: 402184
Ion Ratio Lower Upper
106 100
91 222.6 109.9 329.8



#70
Styrene
Concen: 53.026 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:104 Resp: 683980
Ion Ratio Lower Upper
104 100
78 51.2 40.3 60.5
103 55.8 44.3 66.5





#71

Bromoform

Concen: 49.022 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

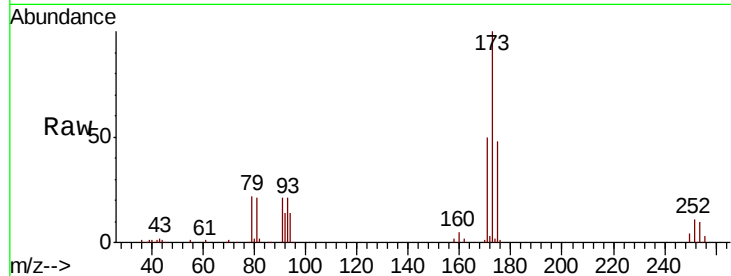
Tot Ion:173 Resp: 151388

Ion Ratio Lower Upper

173 100

175 47.6 24.3 73.0

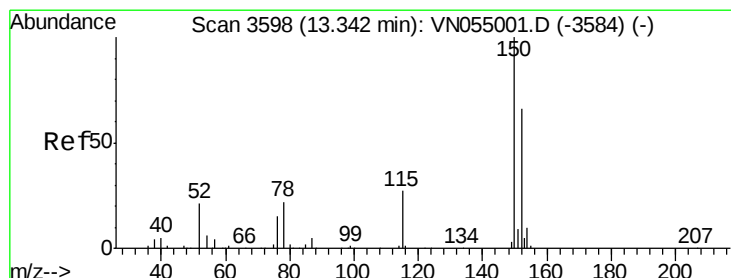
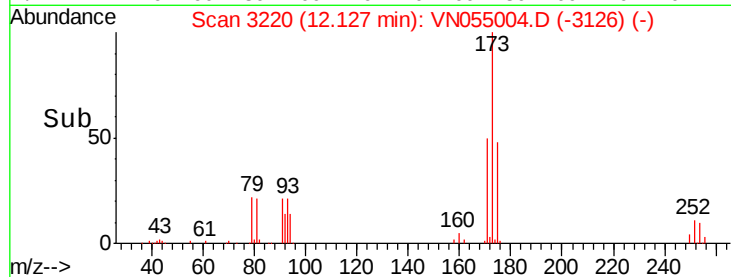
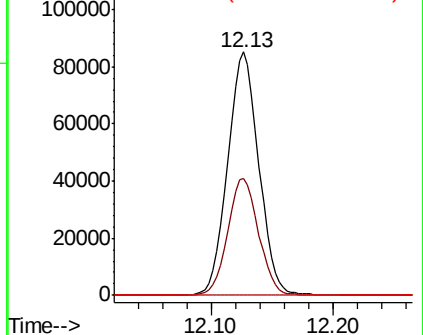
254 0.1 0.1 0.1



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: VN055004.D

Acq: 12 Apr 2019 17:25

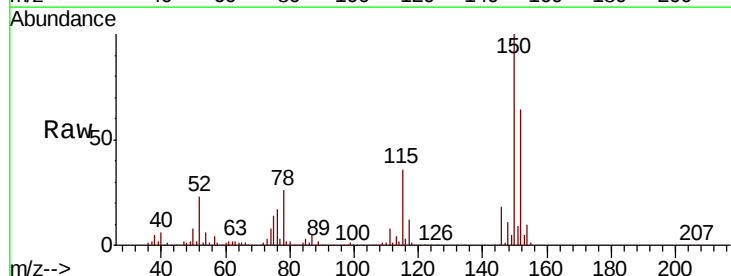
Tgt Ion:152 Resp: 279747

Ion Ratio Lower Upper

152 100

115 57.0 28.5 85.6

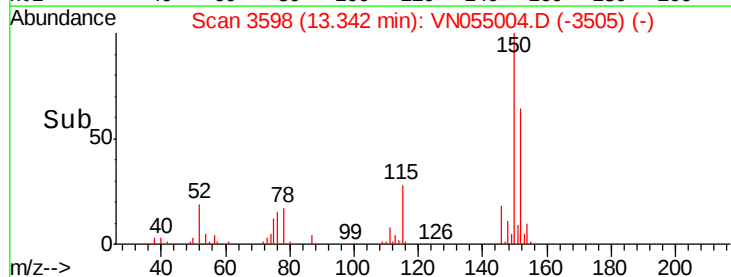
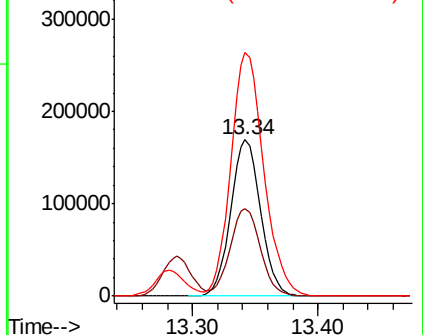
150 172.0 0.0 347.2

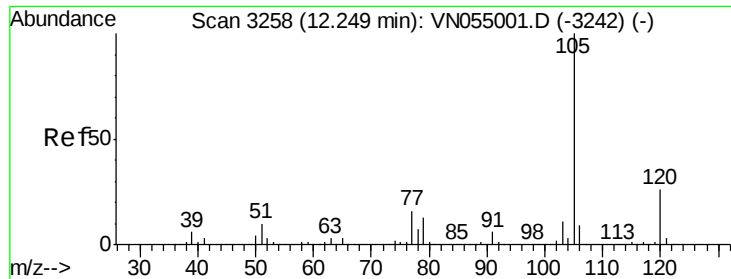


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 45.839 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

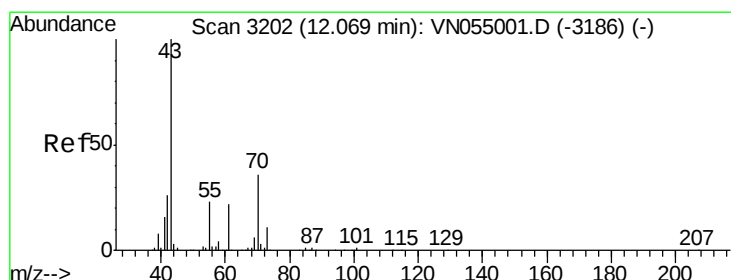
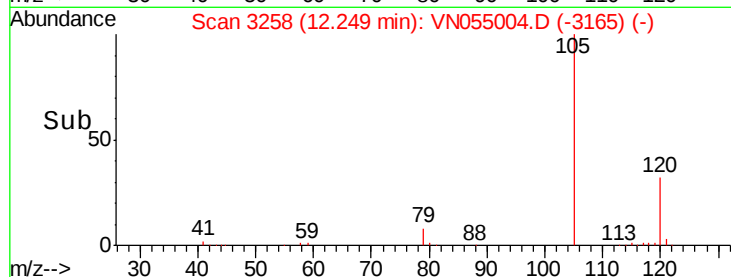
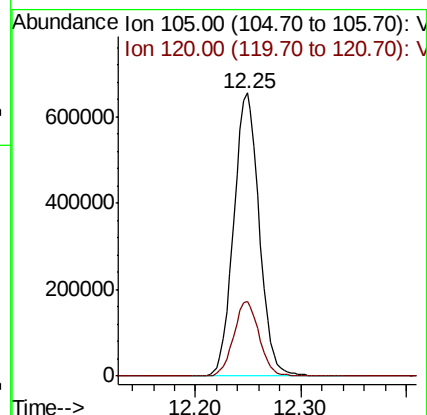
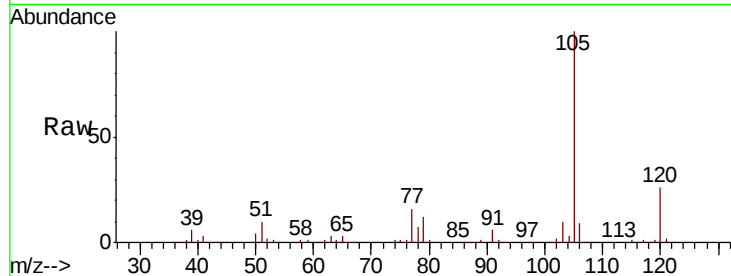
ICVVN041319

Tot Ion:105 Resp: 1090285

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 53.273 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Tgt Ion: 43 Resp: 381918

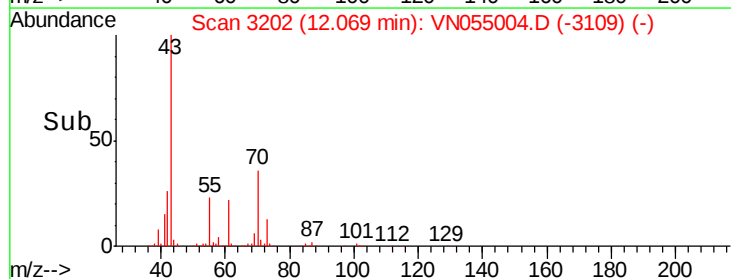
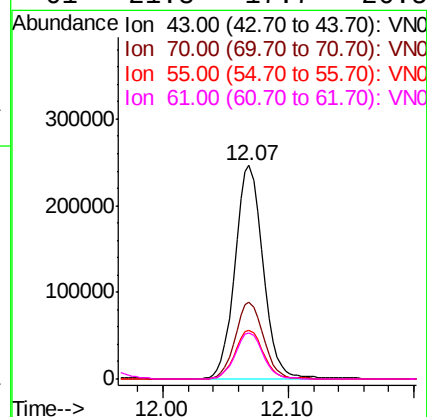
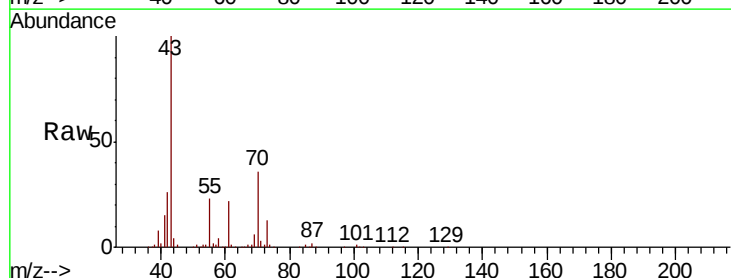
Ion Ratio Lower Upper

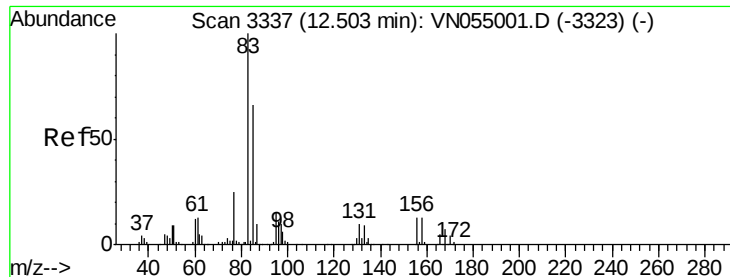
43 100

70 36.5 29.4 44.0

55 23.2 19.0 28.4

61 21.8 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 46.794 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

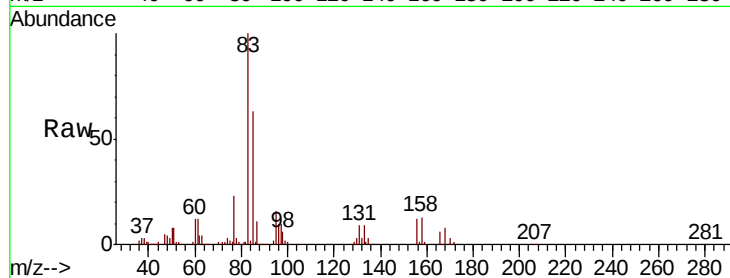
Tot Ion: 83 Resp: 288158

Ion Ratio Lower Upper

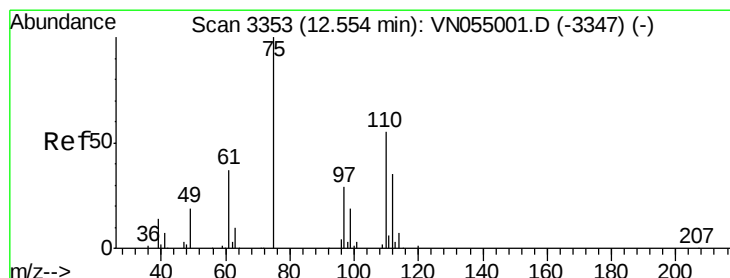
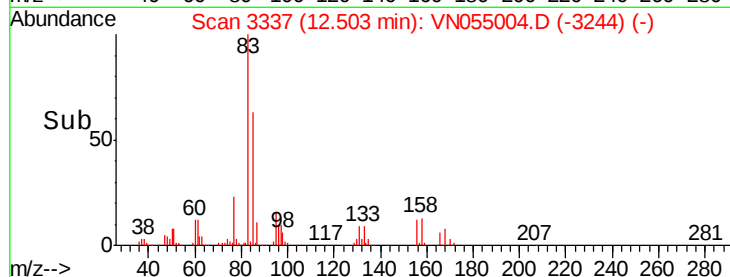
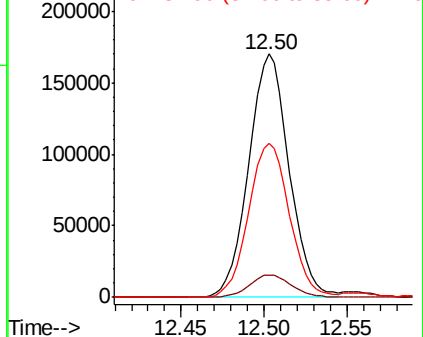
83 100

131 9.6 5.0 15.0

85 64.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 130.80 (130.50 to 131.50): VN
Ion 84.90 (84.60 to 85.60): VN



#76

1,2,3-Trichloropropane

Concen: 65.702 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055004.D

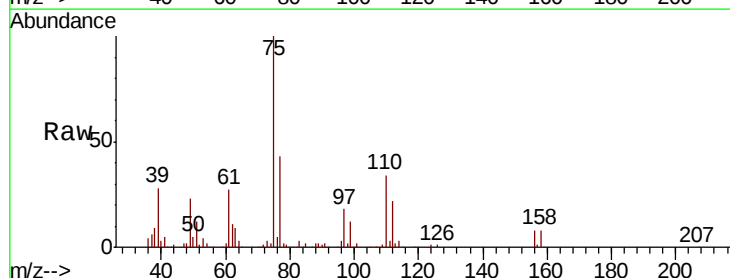
Acq: 12 Apr 2019 17:25

Tgt Ion: 75 Resp: 338142

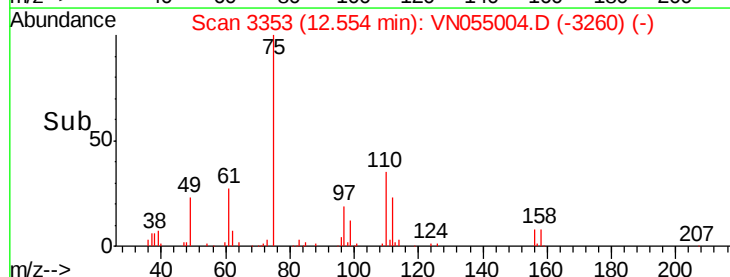
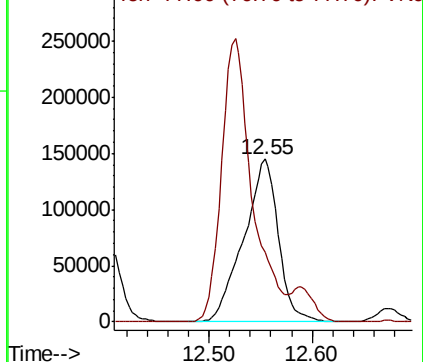
Ion Ratio Lower Upper

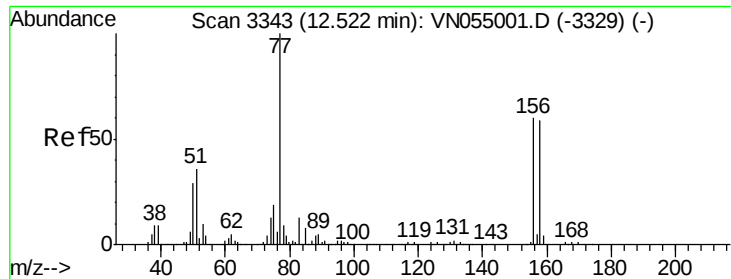
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 77.00 (76.70 to 77.70): VN





#77

Bromobenzene

Concen: 50.110 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

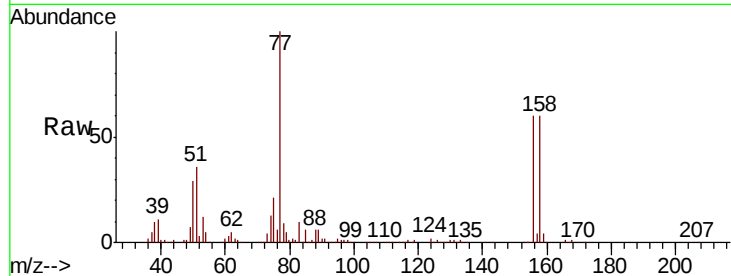
Tot Ion:156 Resp: 267218

Ion Ratio Lower Upper

156 100

77 197.0 97.2 291.5

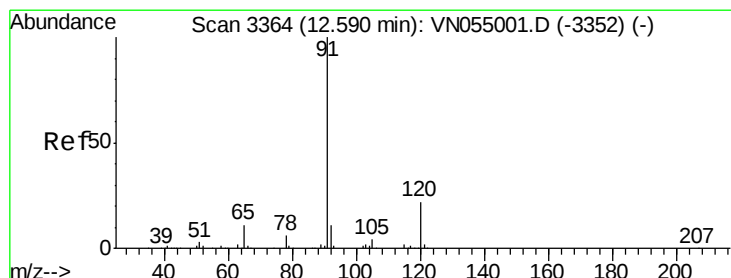
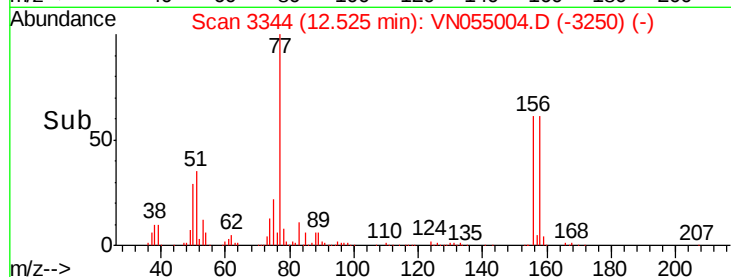
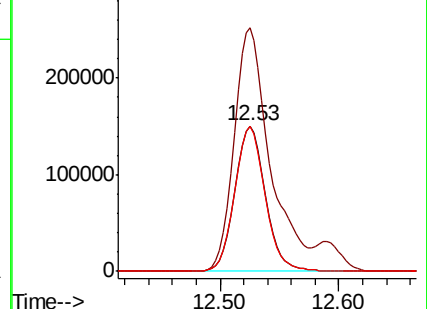
158 99.0 48.6 145.9



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: 47.163 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055004.D

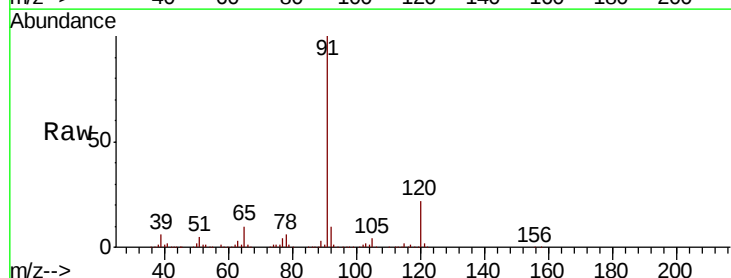
Acq: 12 Apr 2019 17:25

Tgt Ion: 91 Resp: 1222166

Ion Ratio Lower Upper

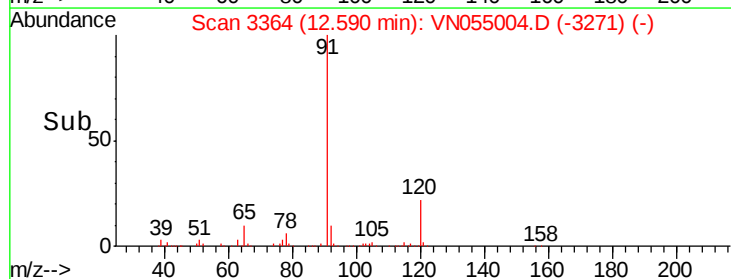
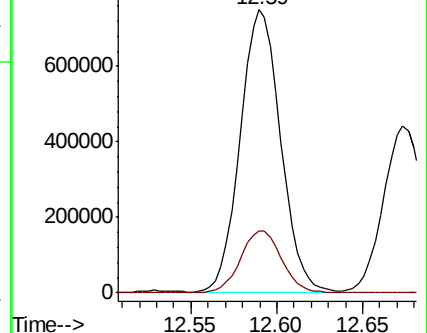
91 100

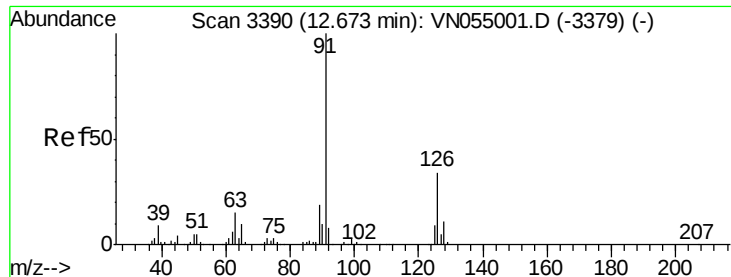
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 45.960 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

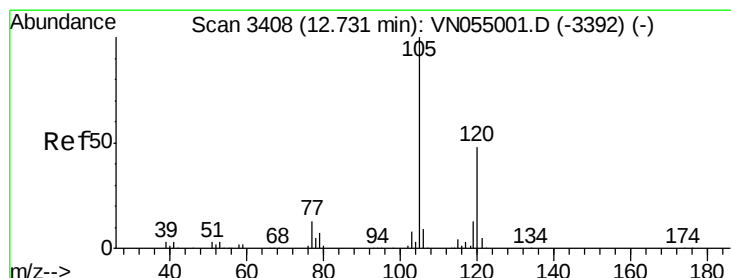
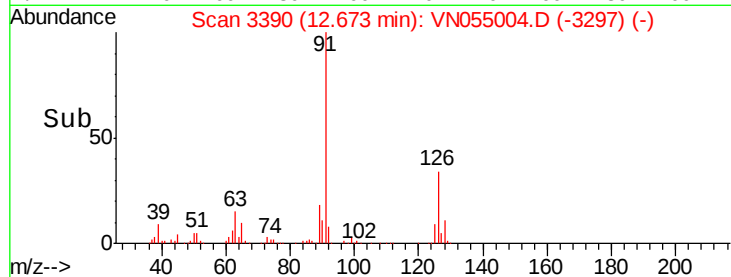
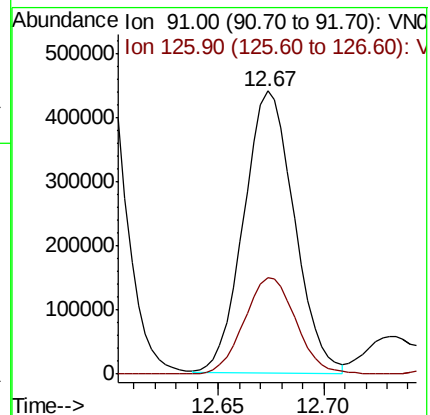
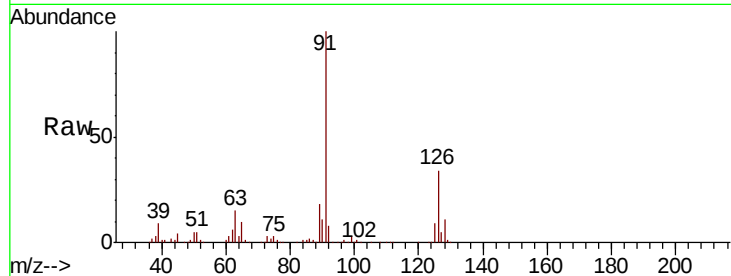
ICVVN041319

Tot Ion: 91 Resp: 735754

Ion Ratio Lower Upper

91 100

126 35.0 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 46.548 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055004.D

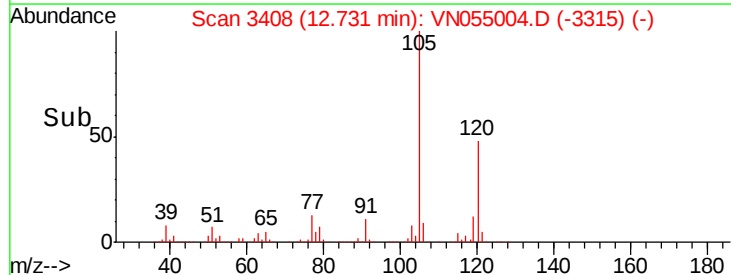
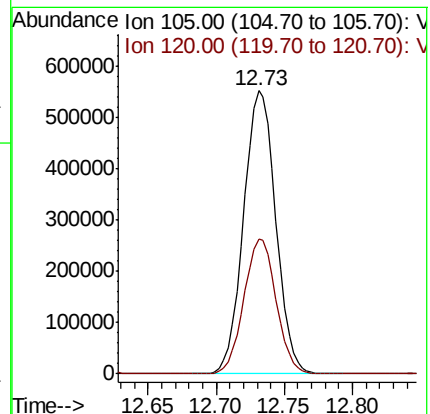
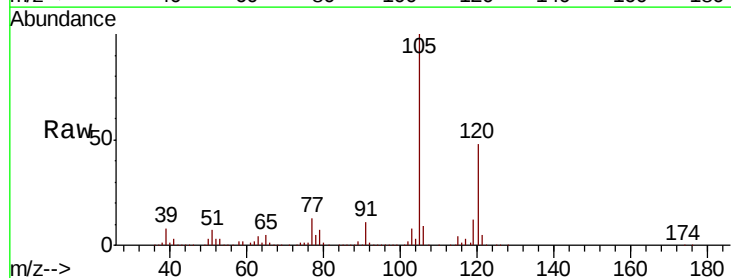
Acq: 12 Apr 2019 17:25

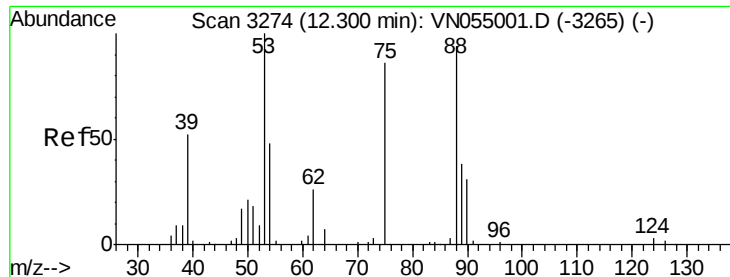
Tgt Ion: 105 Resp: 901291

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 52.900 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

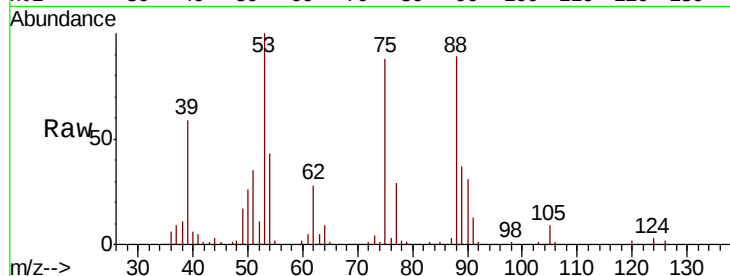
Tot Ion: 75 Resp: 65962

Ion Ratio Lower Upper

75 100

53 114.7 96.3 144.5

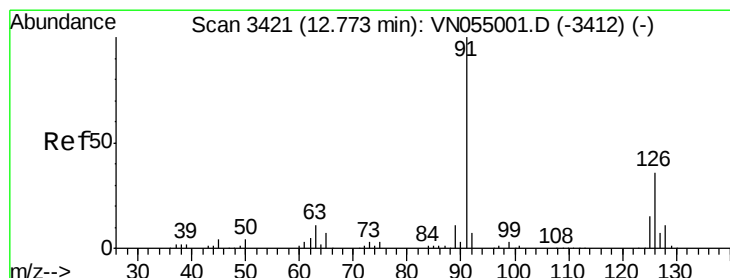
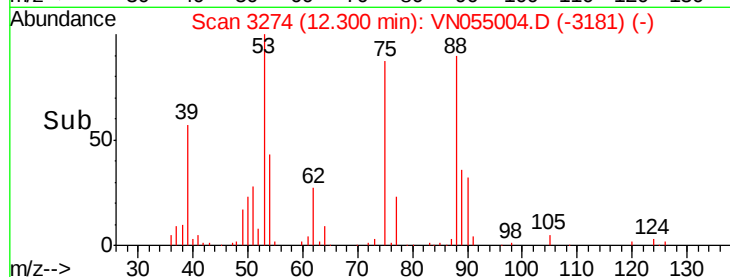
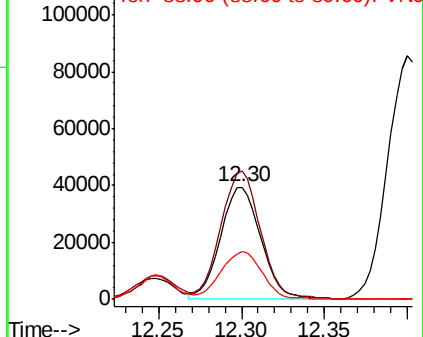
89 44.4 38.6 57.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 47.128 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055004.D

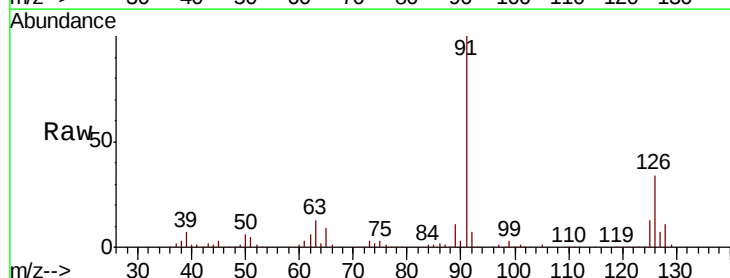
Acq: 12 Apr 2019 17:25

Tgt Ion: 91 Resp: 729638

Ion Ratio Lower Upper

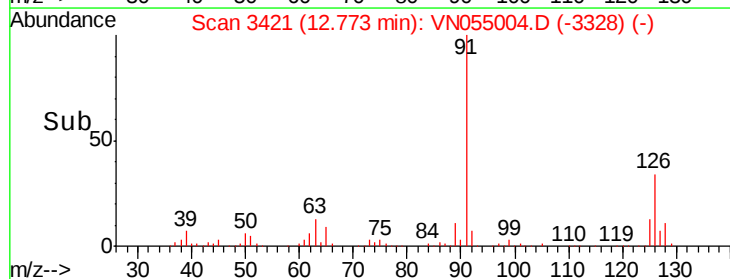
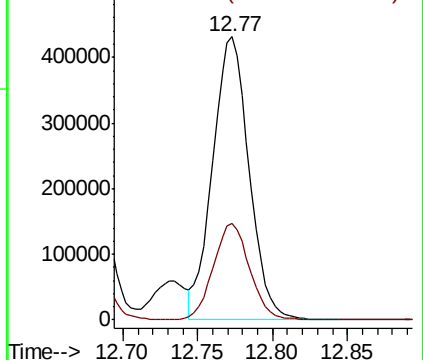
91 100

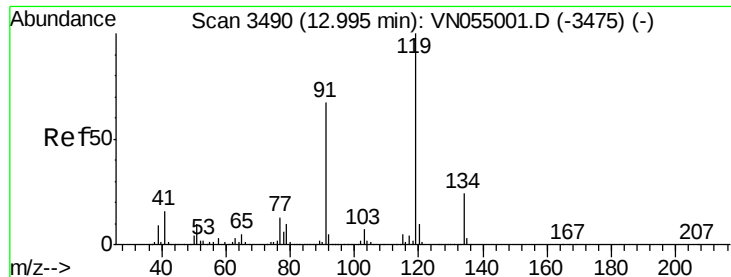
126 34.0 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

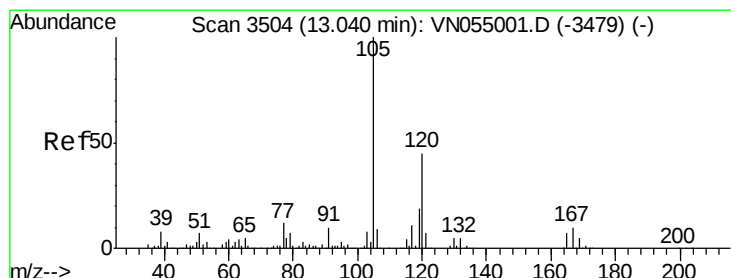
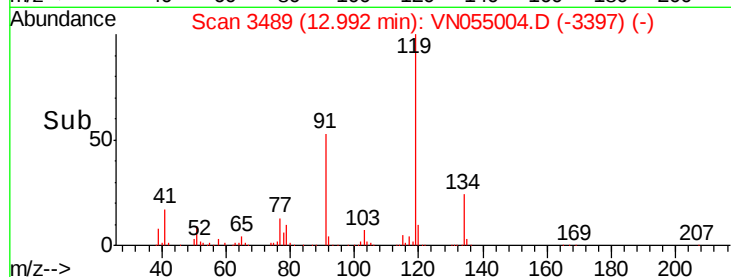
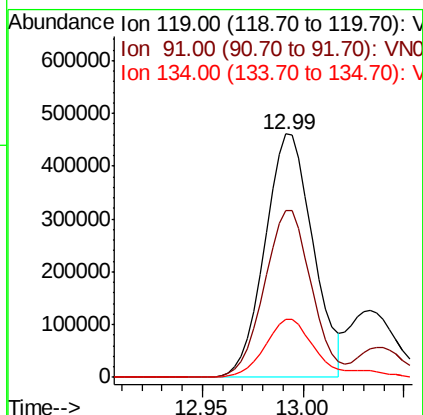
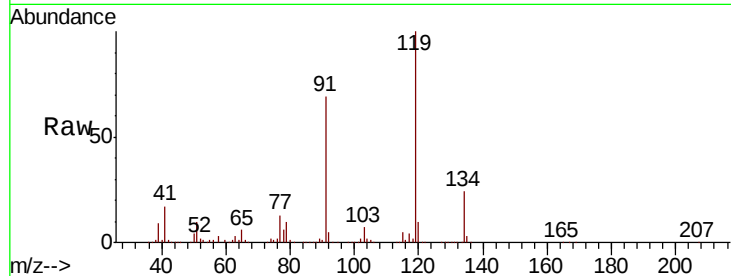




#83
tert-Butylbenzene
Concen: 46.042 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

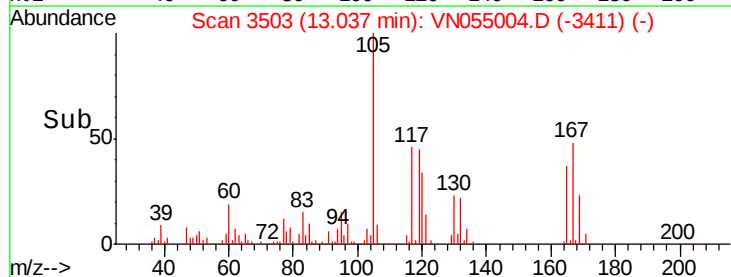
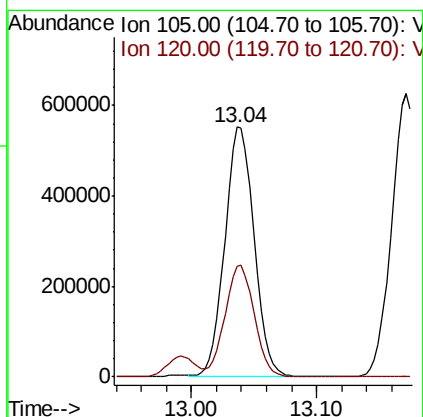
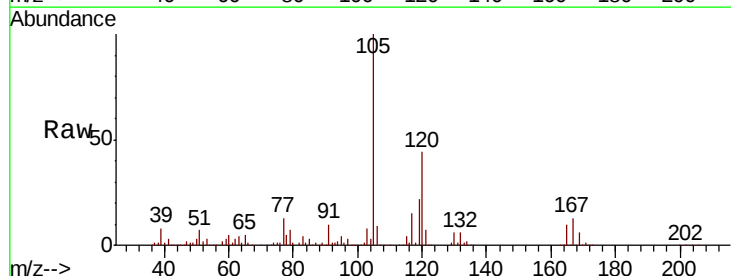
Instrument :
MSVOA_N
ClientSampleId :
ICVVN041319

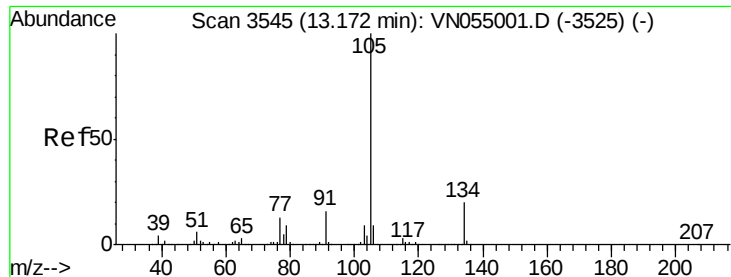
Tot Ion:119 Resp: 763732
Ion Ratio Lower Upper
119 100
91 67.3 33.3 99.8
134 26.1 12.3 36.9



#84
1,2,4-Trimethylbenzene
Concen: 48.173 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. -0.00 min
Lab File: VN055004.D
Acq: 12 Apr 2019 17:25

Tgt Ion:105 Resp: 894406
Ion Ratio Lower Upper
105 100
120 44.5 22.4 67.3

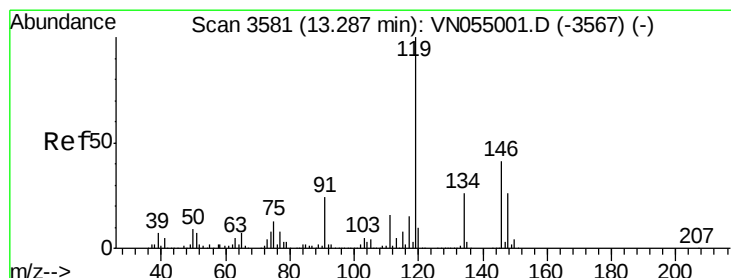
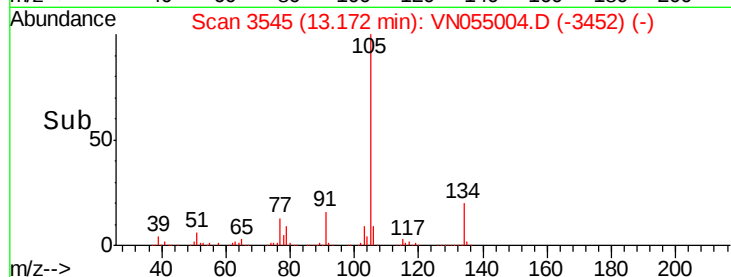
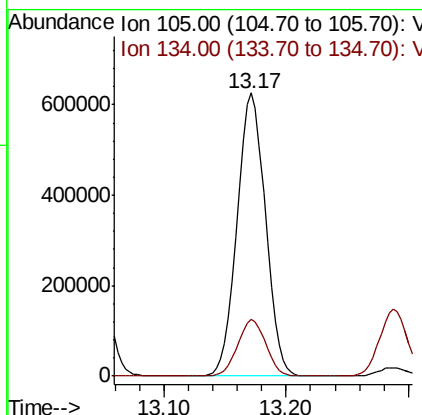
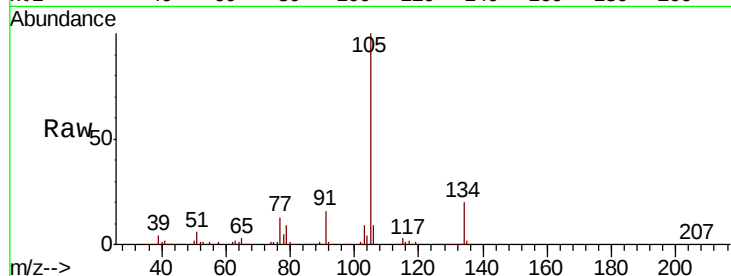




#85
 sec-Butylbenzene
 Concen: 47.539 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

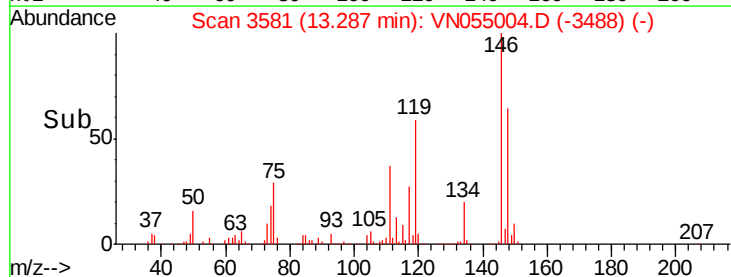
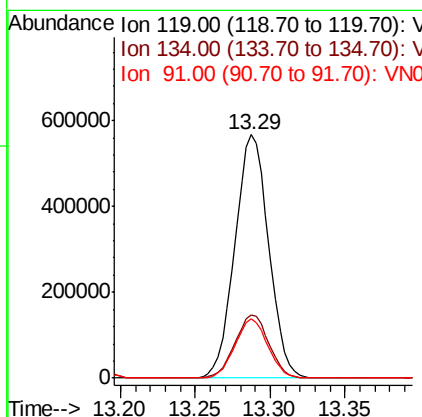
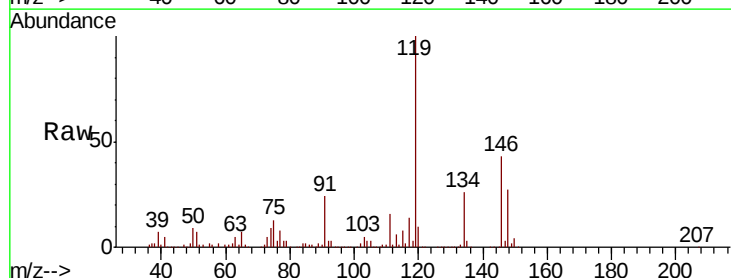
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

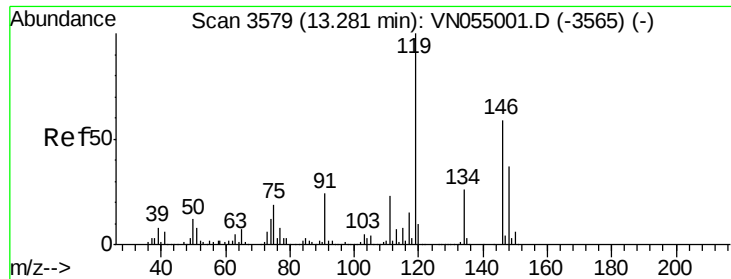
Tot Ion:105 Resp: 1006822
 Ion Ratio Lower Upper
 105 100
 134 19.9 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 48.207 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion:119 Resp: 888069
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 23.7 11.7 35.1

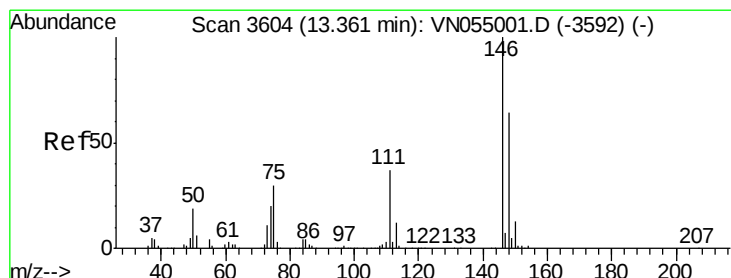
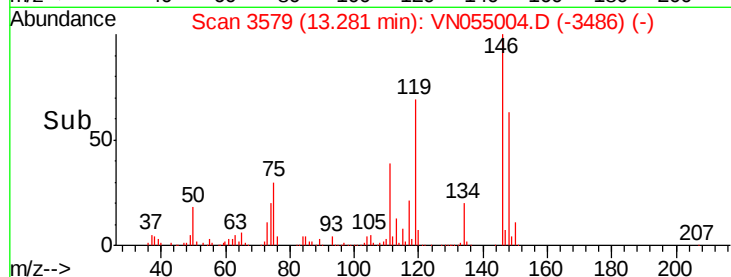
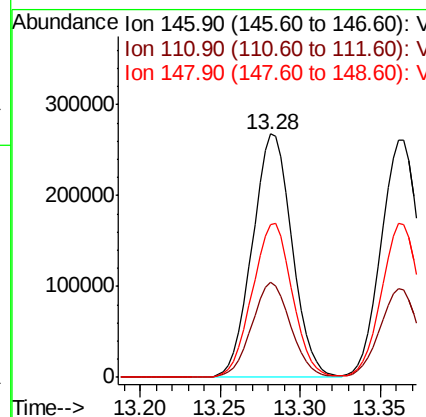
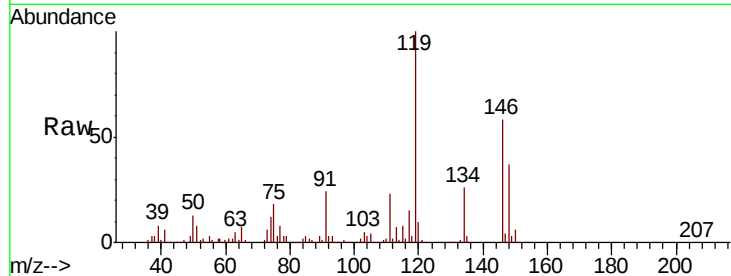




#87
 1,3-Dichlorobenzene
 Concen: 48.150 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

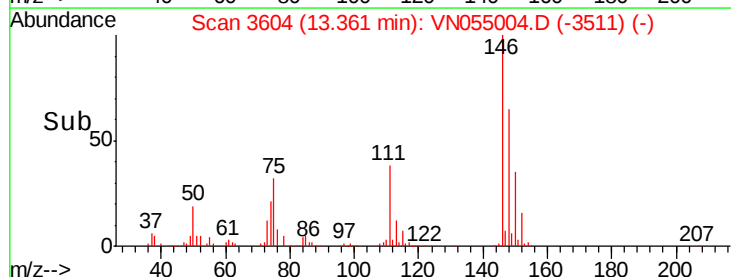
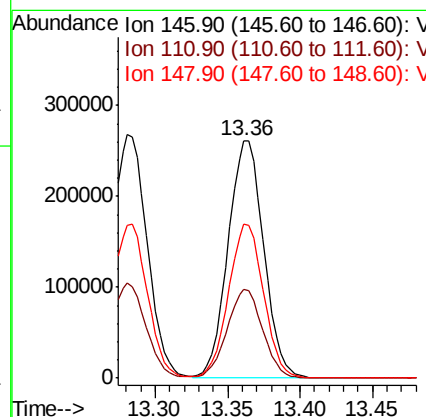
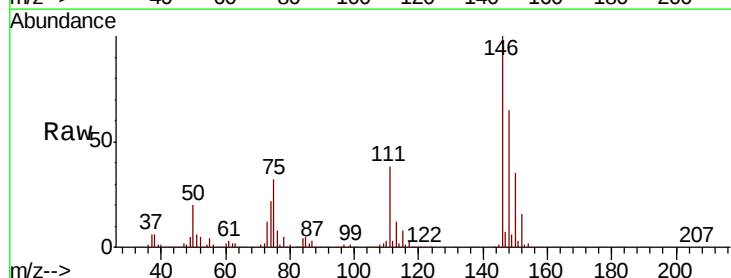
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

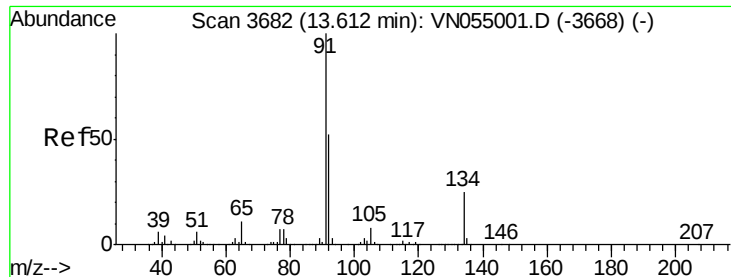
Tot Ion:146 Resp: 457520
 Ion Ratio Lower Upper
 146 100
 111 38.3 19.5 58.5
 148 63.6 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 49.009 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion:146 Resp: 445385
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.8 56.4
 148 63.9 32.4 97.2





#89

n-Butylbenzene

Concen: 51.506 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampled :

ICVVN041319

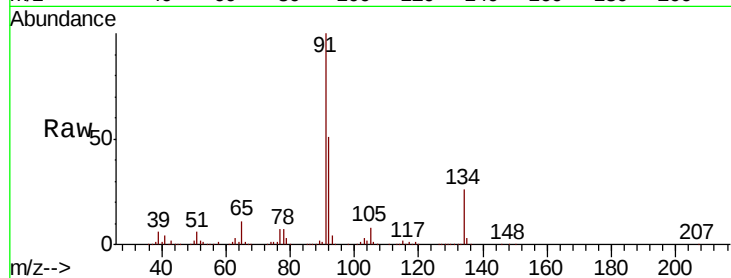
Tot Ion: 91 Resp: 745190

Ion Ratio Lower Upper

91 100

92 51.5 25.9 77.7

134 25.3 12.8 38.3



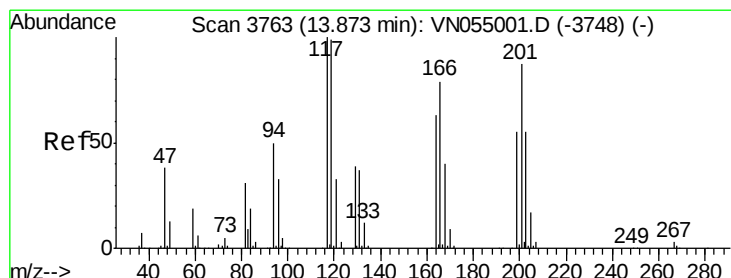
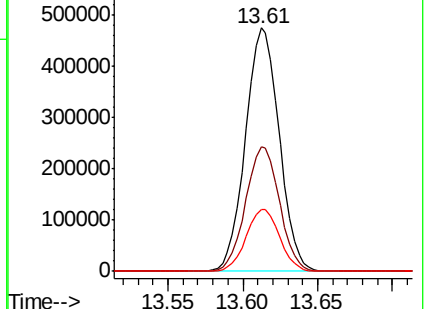
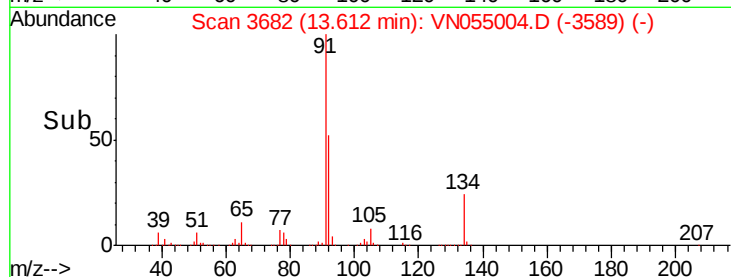
Abundance Ion 91.00 (90.70 to 91.70): VN055001.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055001.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055001.D (-3668) (-)

13.61

Time-->



#90

Hexachloroethane

Concen: 47.338 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055004.D

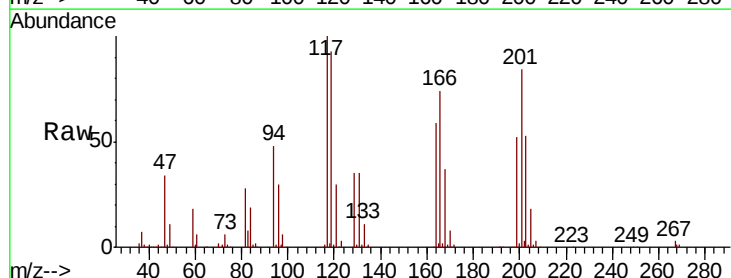
Acq: 12 Apr 2019 17:25

Tgt Ion: 117 Resp: 144098

Ion Ratio Lower Upper

117 100

201 86.0 43.4 130.2

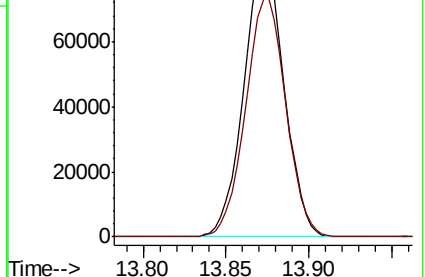
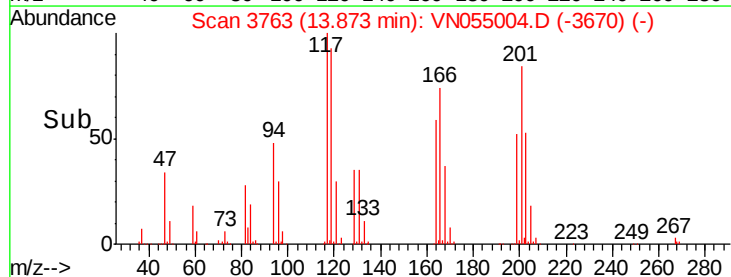


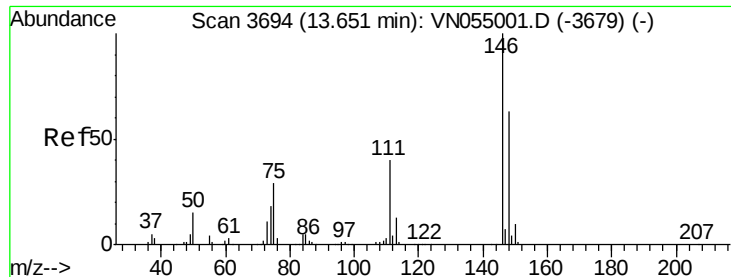
Abundance Ion 116.80 (116.50 to 117.50): VN055001.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055001.D (-3748) (-)

13.87

Time-->





#91

1,2-Dichlorobenzene

Concen: 49.204 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

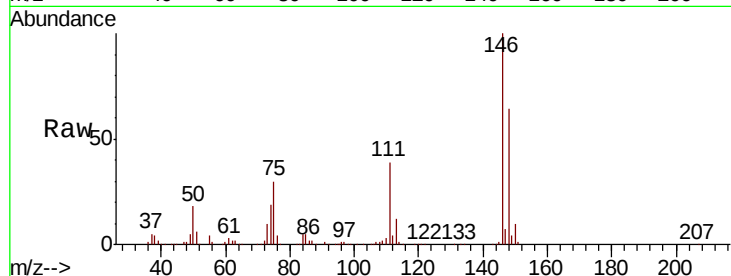
Tot Ion:146 Resp: 453875

Ion Ratio Lower Upper

146 100

111 39.8 20.3 60.9

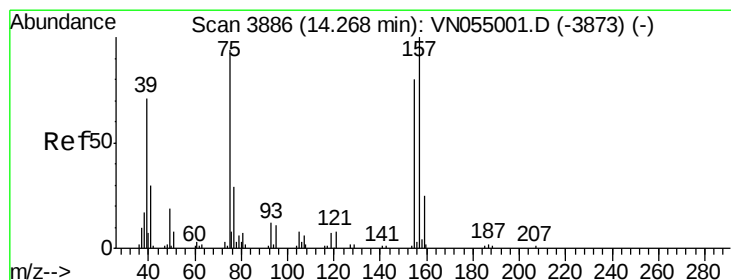
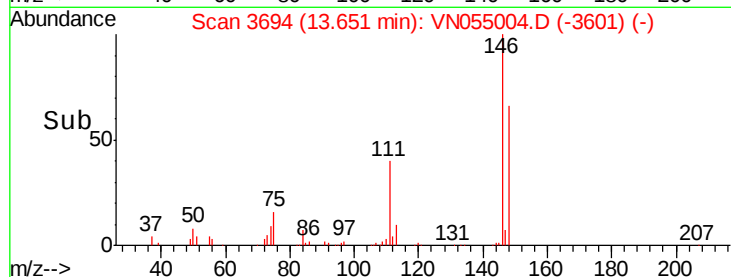
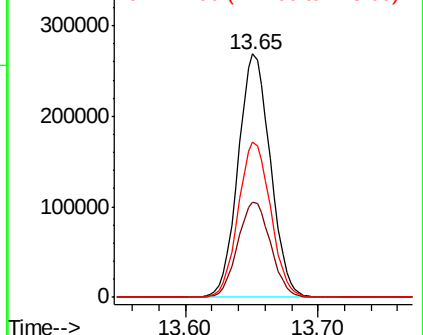
148 64.1 32.2 96.6



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.433 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

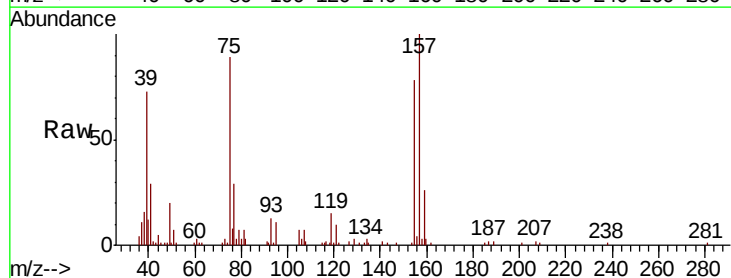
Tgt Ion: 75 Resp: 42786

Ion Ratio Lower Upper

75 100

155 87.9 42.0 126.0

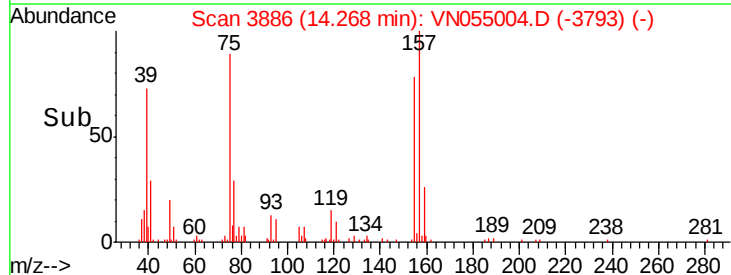
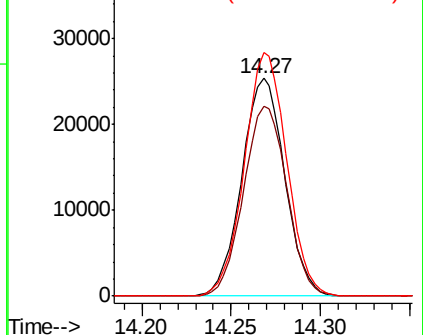
157 110.4 52.1 156.4

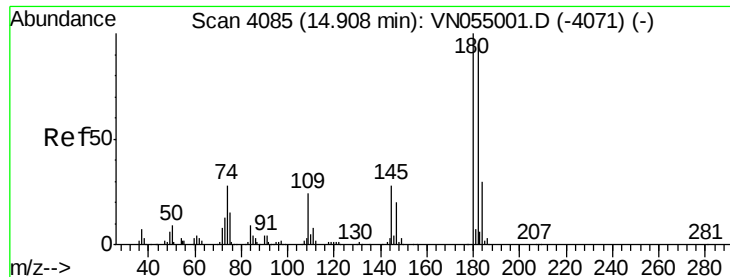


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

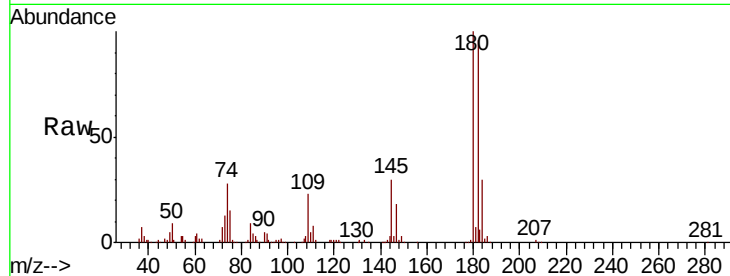




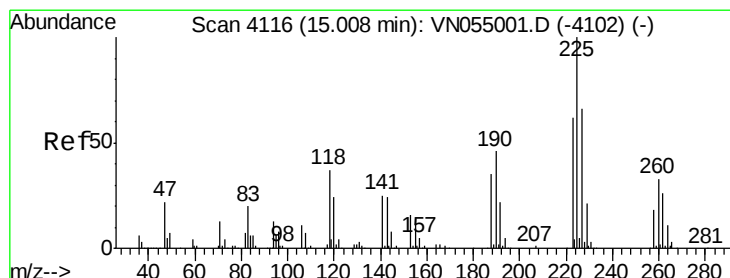
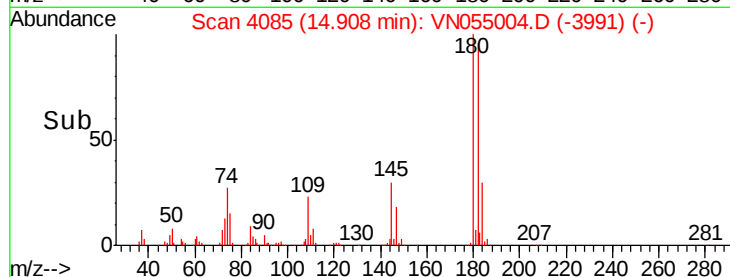
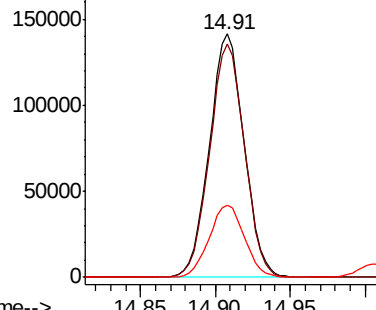
#93
 1,2,4-Trichlorobenzene
 Concen: 49.814 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN041319

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.5	142.6
145	30.3	14.2	42.8

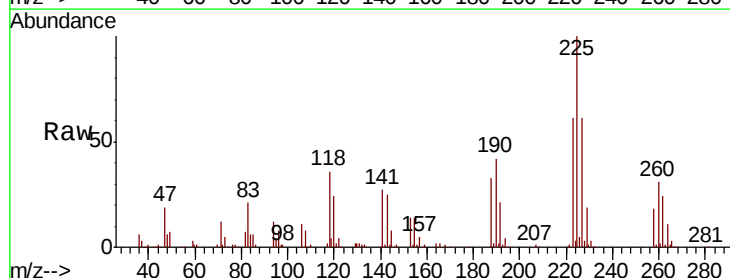


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

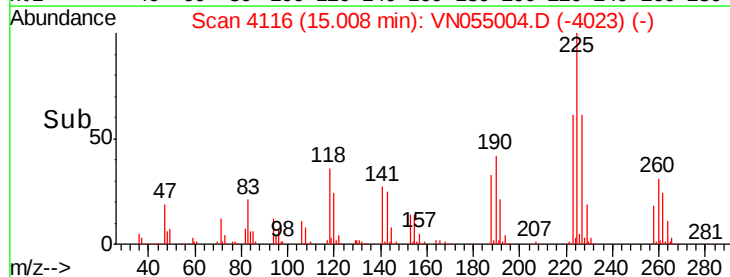
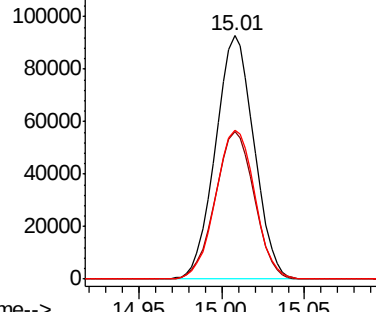


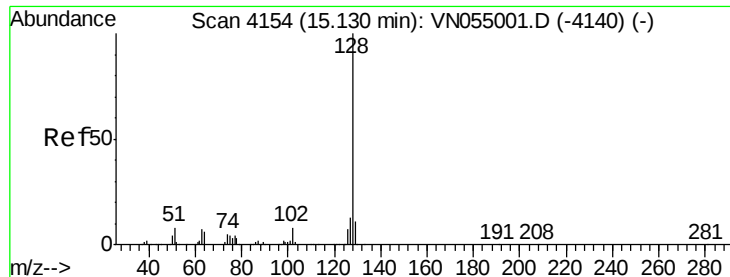
#94
 Hexachlorobutadiene
 Concen: 54.884 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055004.D
 Acq: 12 Apr 2019 17:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.4	94.0
227	62.3	32.6	97.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 49.988 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

Instrument :

MSVOA_N

ClientSampleId :

ICVVN041319

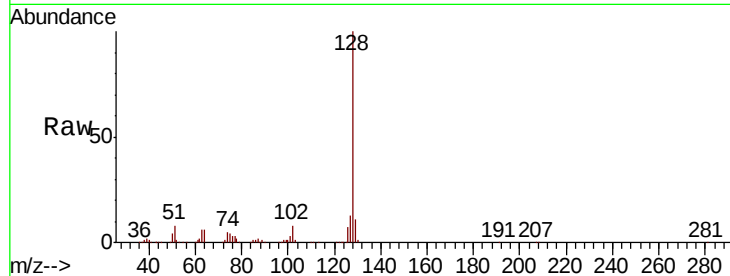
Tot Ion:128 Resp: 534392

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

129 10.8 8.8 13.2

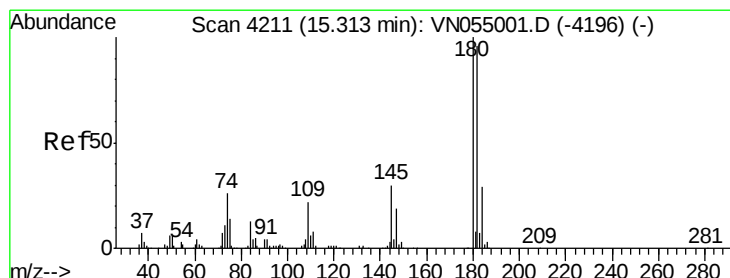
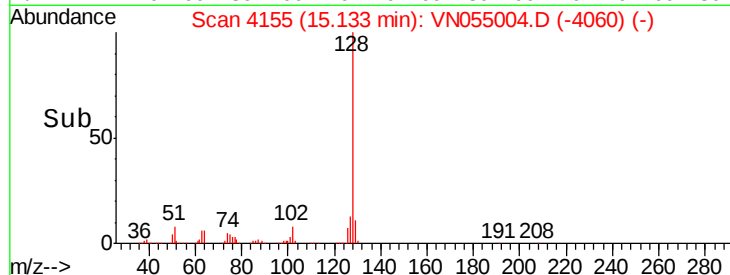
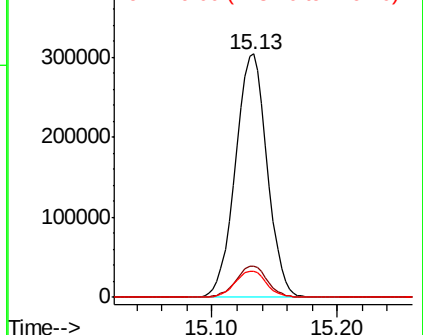


Abundance

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: 55.852 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN055004.D

Acq: 12 Apr 2019 17:25

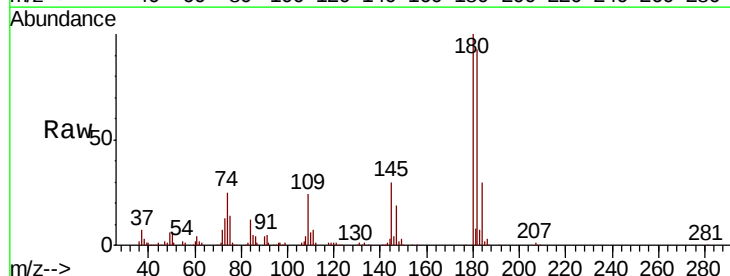
Tgt Ion:180 Resp: 232402

Ion Ratio Lower Upper

180 100

182 94.9 48.0 144.0

145 31.0 15.3 45.9



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

