

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN055003.D
 Acq On : 12 Apr 2019 16:58
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 13 02:27:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	454540	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	722489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	655565	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	294216	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	696221	116.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.06%	
35) Dibromofluoromethane	7.59	113	564351	120.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	240.04%	
50) Toluene-d8	10.09	98	2156474	121.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.74%	
62) 4-Bromofluorobenzene	12.40	95	758068	128.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	256.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	733589	136.930	ug/l	100
3) Chloromethane	2.06	50	949597	134.444	ug/l	98
4) Vinyl Chloride	2.19	62	771131	125.916	ug/l	98
5) Bromomethane	2.54	94	422976	120.738	ug/l	96
6) Chloroethane	2.69	64	415974	121.369	ug/l	98
7) Trichlorofluoromethane	3.01	101	959428	128.438	ug/l	99
8) Diethyl Ether	3.41	74	308360	128.767	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	491345	124.275	ug/l	100
10) Methyl Iodide	3.94	142	761236	136.620	ug/l	99
11) Tert butyl alcohol	4.83	59	286045	898.667	ug/l	100
12) 1,1-Dichloroethene	3.73	96	470519	120.277	ug/l	99
13) Acrolein	3.60	56	301825	725.923	ug/l	98
14) Allyl chloride	4.31	41	1298697	147.798	ug/l	99
15) Acrylonitrile	4.99	53	1503524	801.341	ug/l	99
16) Acetone	3.82	43	1050644	624.771	ug/l	100
17) Carbon Disulfide	4.04	76	1714825	137.687	ug/l	100
18) Methyl Acetate	4.33	43	684328	150.337	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1906270	147.203	ug/l	99
20) Methylene Chloride	4.54	84	743009	133.955	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	673189	136.292	ug/l	93
22) Diisopropyl ether	5.96	45	2620103	144.650	ug/l	99
23) Vinyl Acetate	5.90	43	9946182	788.199	ug/l	100
24) 1,1-Dichloroethane	5.84	63	1355016	137.617	ug/l	99
25) 2-Butanone	6.85	43	1918471	845.754	ug/l	100
26) 2,2-Dichloropropane	6.82	77	926431	135.094	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	789824	140.413	ug/l	99
28) Bromochloromethane	7.19	49	538657	115.856	ug/l	100
29) Tetrahydrofuran	7.22	42	1239999	826.836	ug/l	99
30) Chloroform	7.37	83	1292041	138.282	ug/l	100
31) Cyclohexane	7.65	56	1276275	113.575	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	1078925	137.406	ug/l	99
36) 1,1-Dichloropropene	7.79	75	996870	141.263	ug/l	100
37) Ethyl Acetate	6.94	43	806461	162.605	ug/l	99
38) Carbon Tetrachloride	7.77	117	924373	136.101	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	1135918	146.091	ug/l	99
40) Benzene	8.04	78	2965124	145.181	ug/l	100
41) Methacrylonitrile	7.18	41	468059	165.548	ug/l	96
42) 1,2-Dichloroethane	8.12	62	1007529	140.097	ug/l	100
43) Isopropyl Acetate	8.17	43	1414167	169.458	ug/l	99
44) Trichloroethene	8.83	130	756781	144.790	ug/l	99
45) 1,2-Dichloropropane	9.12	63	832935	146.341	ug/l	100
46) Dibromomethane	9.21	93	473540	145.504	ug/l	97
47) Bromodichloromethane	9.40	83	1026907	151.381	ug/l	99
48) Methyl methacrylate	9.20	41	725996	173.035	ug/l	100
49) 1,4-Dioxane	9.20	88	154557	3578.770	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	4074733	870.444	ug/l	99
52) Toluene	10.16	92	1794993	149.361	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	1071621	172.155	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	1237134	162.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	669645	152.210	ug/l	98
56) Ethyl methacrylate	10.43	69	993553	173.406	ug/l	98
57) 1,3-Dichloropropane	10.71	76	1180872	153.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	2086486	926.548	ug/l	99
59) 2-Hexanone	10.75	43	2642082	907.475	ug/l	100
60) Dibromochloromethane	10.90	129	756253	165.225	ug/l	99
61) 1,2-Dibromoethane	11.01	107	683316	165.648	ug/l	99
64) Tetrachloroethene	10.63	164	687002	130.876	ug/l	98
65) Chlorobenzene	11.43	112	1909526	144.645	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	722660	149.487	ug/l	99
67) Ethyl Benzene	11.51	91	3469682	145.853	ug/l	100
68) m/p-Xylenes	11.62	106	2566905	294.885	ug/l	100
69) o-Xylene	11.95	106	1241806	146.499	ug/l	100
70) Styrene	11.96	104	2134837	156.797	ug/l	99
71) Bromoform	12.13	173	502901	171.869	ug/l	100
73) Isopropylbenzene	12.25	105	3318066	134.412	ug/l	99
74) N-amyl acetate	12.07	43	1169857	169.230	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	848610	137.902	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	1050768	197.744	ug/l #	100
77) Bromobenzene	12.53	156	832813	139.125	ug/l	99
78) n-propylbenzene	12.59	91	3740681	137.494	ug/l	100
79) 2-Chlorotoluene	12.67	91	2239582	132.825	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2737303	135.111	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	236562	186.586	ug/l	89
82) 4-Chlorotoluene	12.77	91	2278873	142.911	ug/l	100
83) tert-Butylbenzene	12.99	119	2309011	133.625	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2716023	138.674	ug/l	99
85) sec-Butylbenzene	13.17	105	3025811	135.373	ug/l	99
86) p-Isopropyltoluene	13.29	119	2689911	139.809	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	1407521	141.839	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1383659	146.274	ug/l	99
89) n-Butylbenzene	13.61	91	2346497	153.680	ug/l	100
90) Hexachloroethane	13.87	117	472726	147.718	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	1343910	137.513	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	134448	156.999	ug/l	94

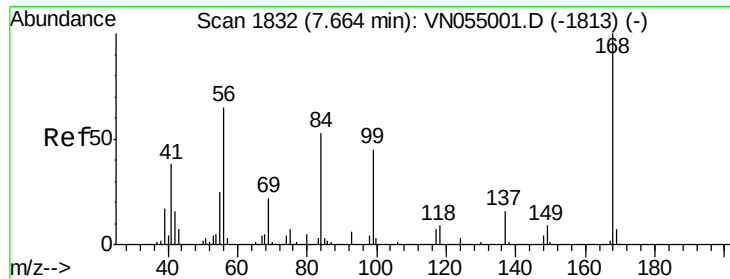
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	772382	179.754	ug/l	99
94) Hexachlorobutadiene	15.01	225	416248	127.115	ug/l	99
95) Naphthalene	15.13	128	1853046	195.268	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	755956	169.328	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

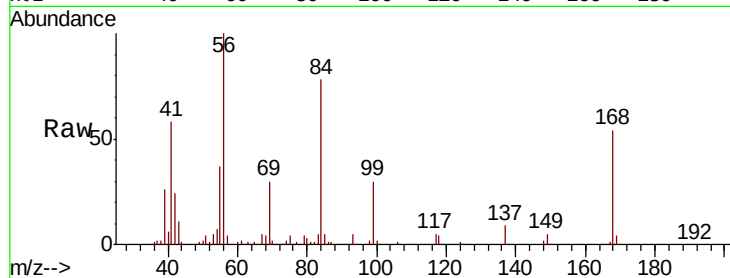
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 454540

Ion Ratio Lower Upper

168 100

99 54.4 41.9 62.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

300000

250000

200000

150000

100000

50000

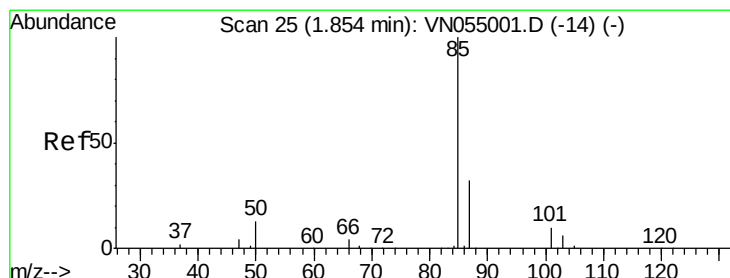
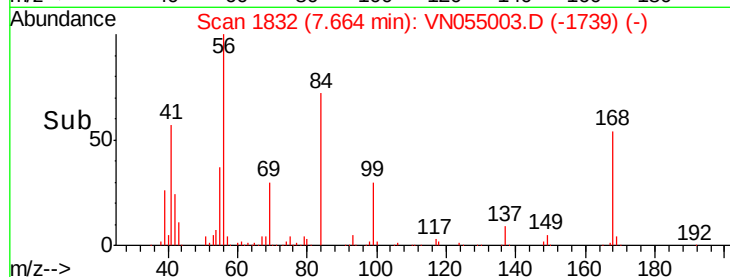
0

7.66

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 136.930 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055003.D

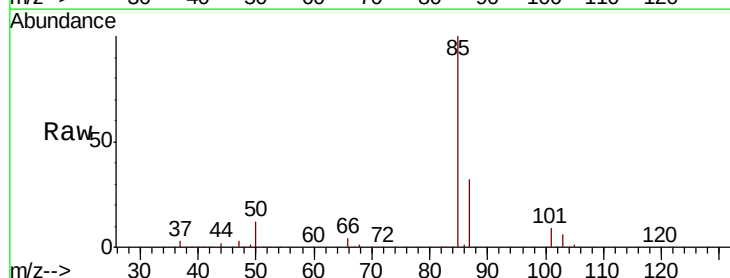
Acq: 12 Apr 2019 16:58

Tgt Ion: 85 Resp: 733589

Ion Ratio Lower Upper

85 100

87 32.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

600000

500000

400000

300000

200000

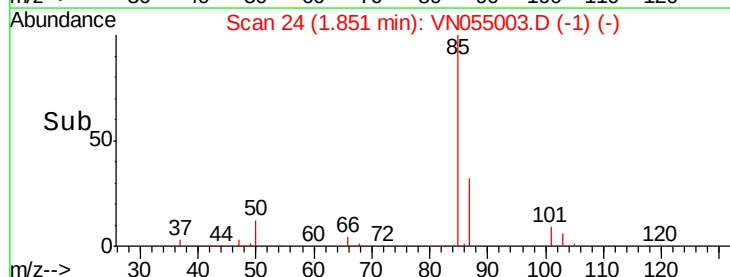
100000

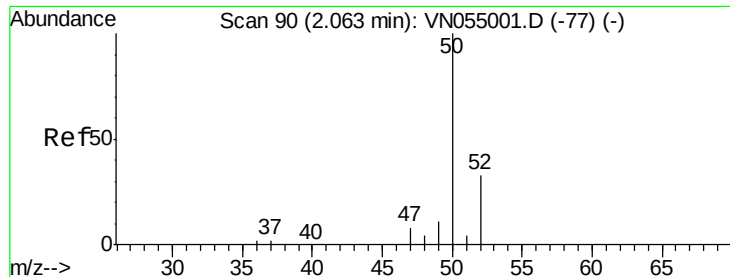
0

1.85

1.90

Time-->





#3

Chloromethane

Concen: 134.444 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

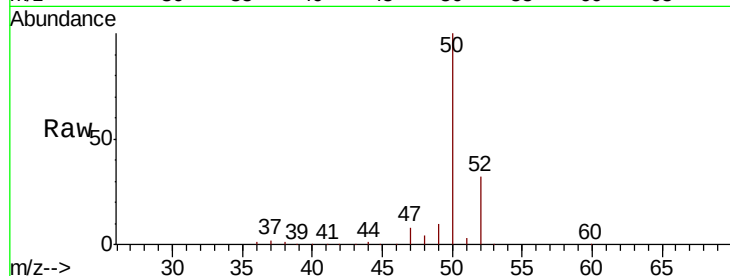
ClientSampleId :

Tot Ion: 50 Resp: 949597

Ion Ratio Lower Upper

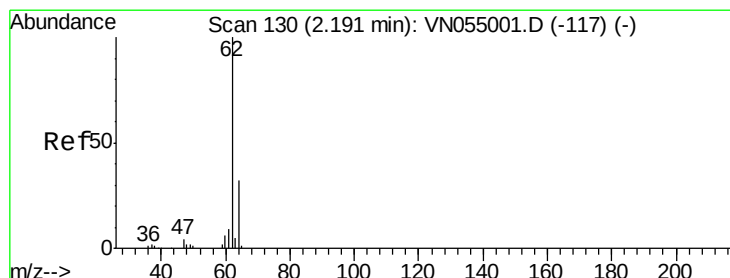
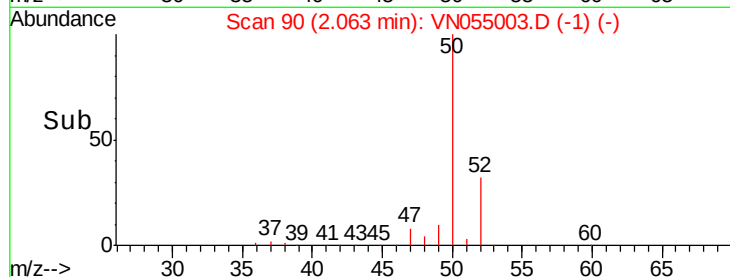
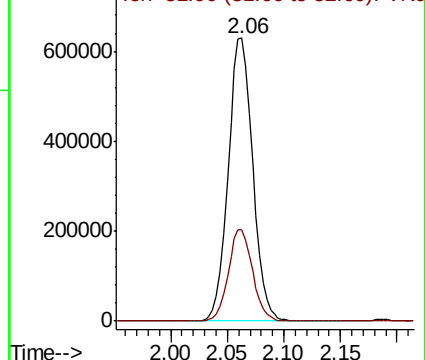
50 100

52 32.3 26.6 40.0



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 125.916 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN055003.D

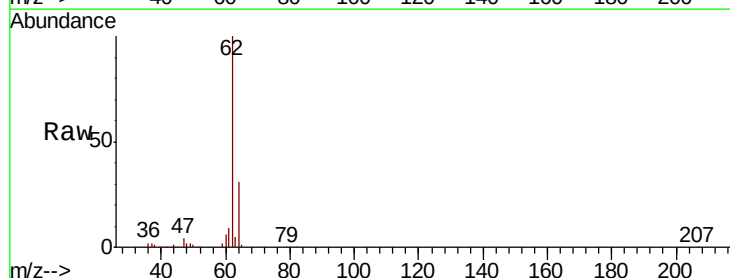
Acq: 12 Apr 2019 16:58

Tgt Ion: 62 Resp: 771131

Ion Ratio Lower Upper

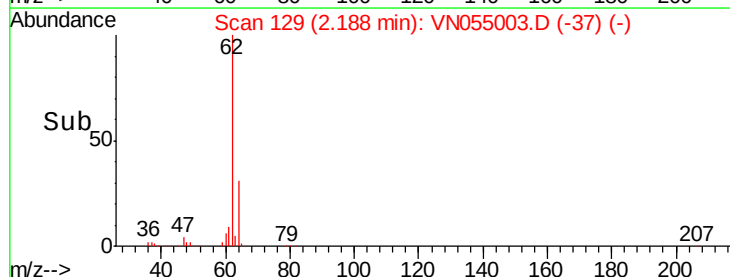
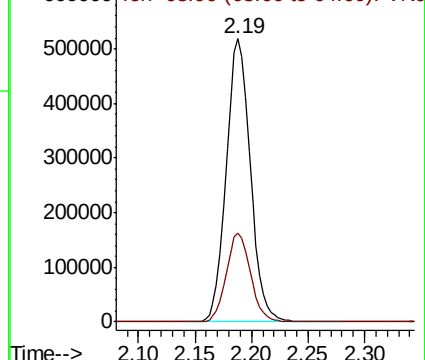
62 100

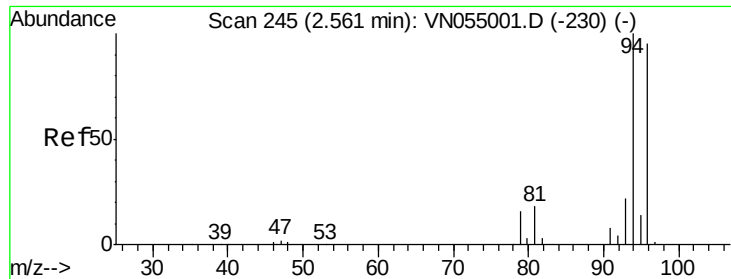
64 31.3 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

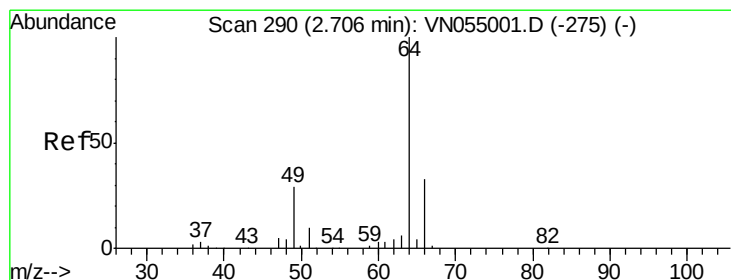
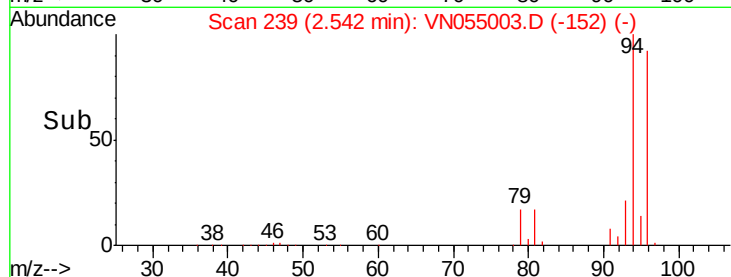
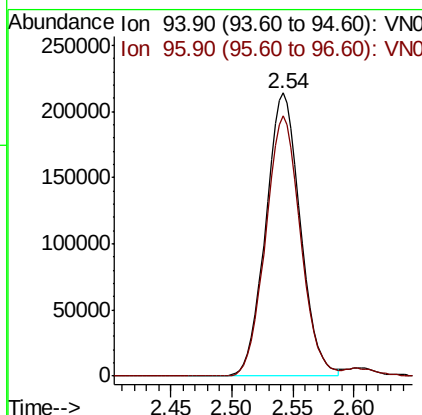
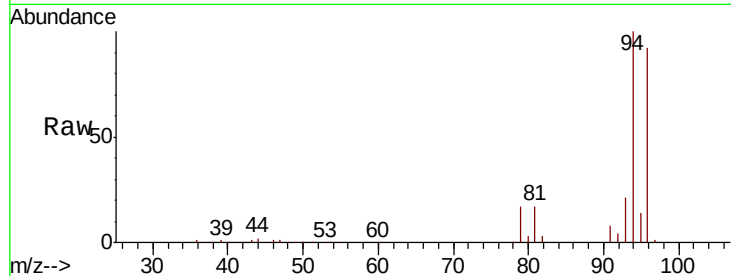




#5
Bromomethane
Concen: 120.738 ug/l
RT: 2.54 min Scan# 239
Delta R.T. -0.02 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

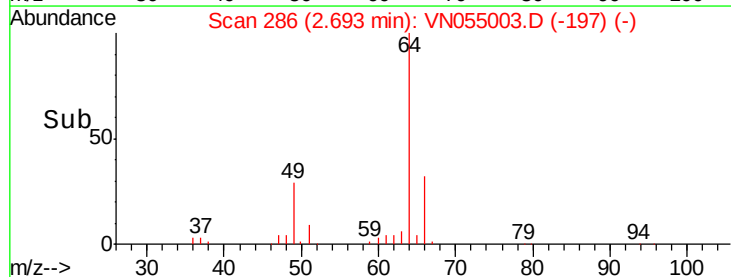
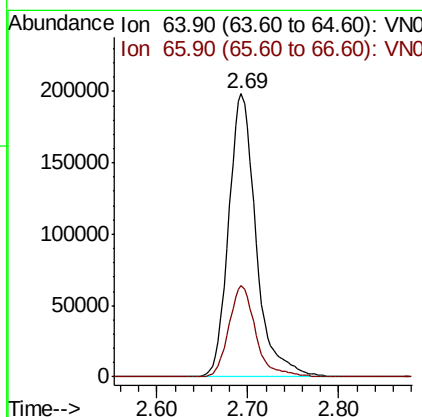
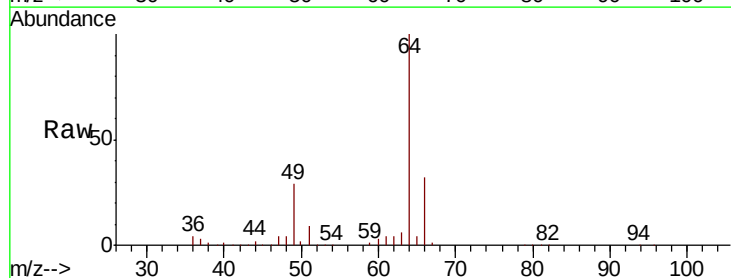
Instrument :
MSVOA_N
ClientSampled :

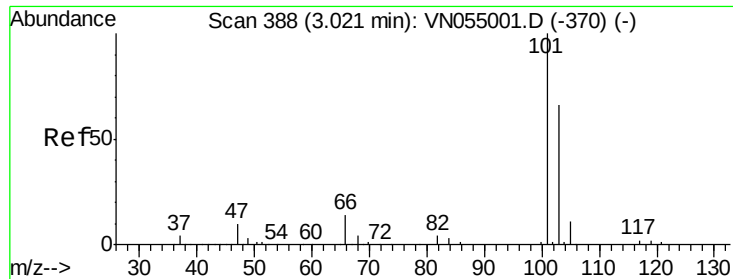
Tot Ion: 94 Resp: 422976
Ion Ratio Lower Upper
94 100
96 91.8 76.2 114.4



#6
Chloroethane
Concen: 121.369 ug/l
RT: 2.69 min Scan# 286
Delta R.T. -0.01 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 64 Resp: 415974
Ion Ratio Lower Upper
64 100
66 32.1 26.6 40.0



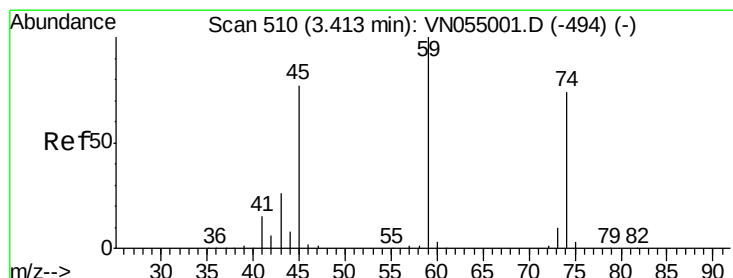
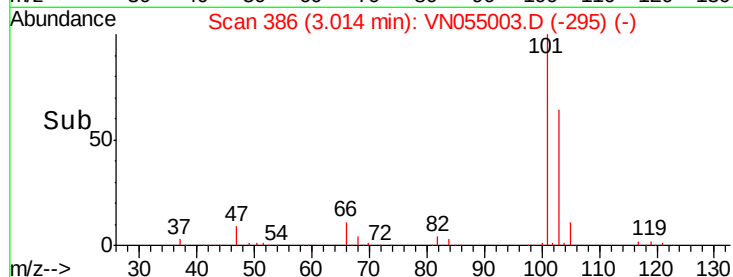
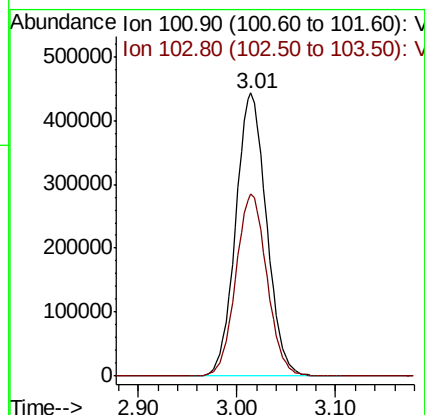
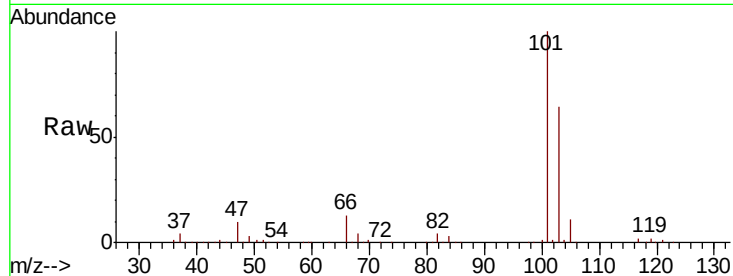


#7

Trichlorofluoromethane
 Concen: 128.438 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. -0.01 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampleId :

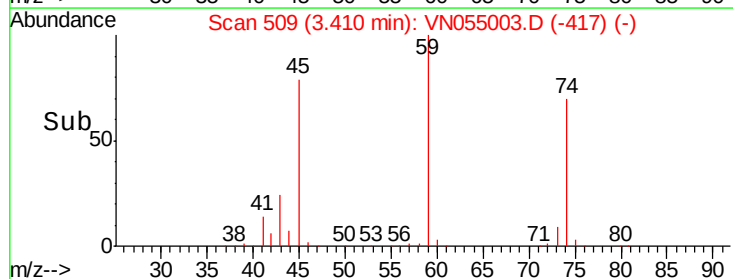
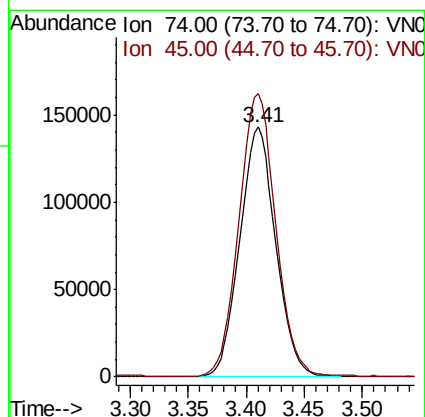
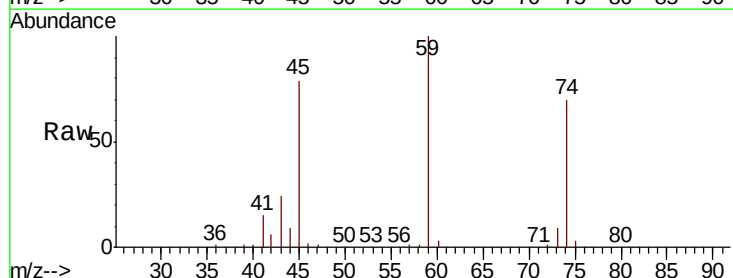
Tot Ion:101 Resp: 959428
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.5 78.7

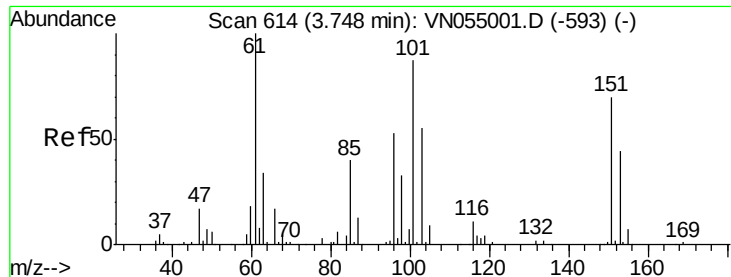


#8

Diethyl Ether
 Concen: 128.767 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 74 Resp: 308360
 Ion Ratio Lower Upper
 74 100
 45 115.2 55.7 167.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 124.275 ug/l

RT: 3.74 min Scan# 613

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

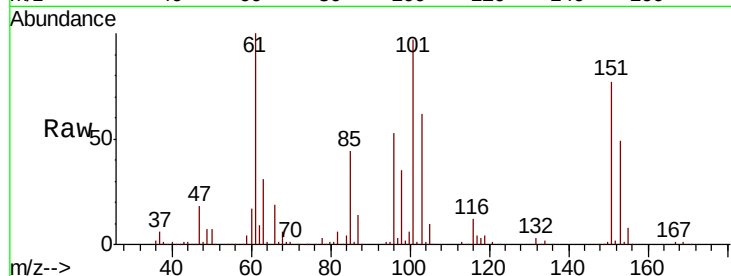
Tot Ion:101 Resp: 491345

Ion Ratio Lower Upper

101 100

85 46.1 36.9 55.3

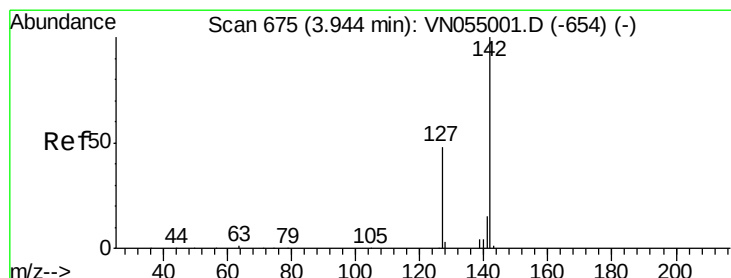
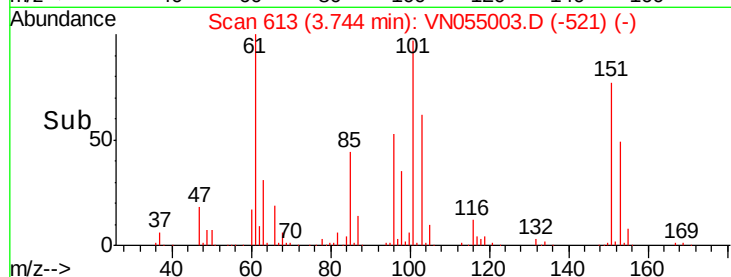
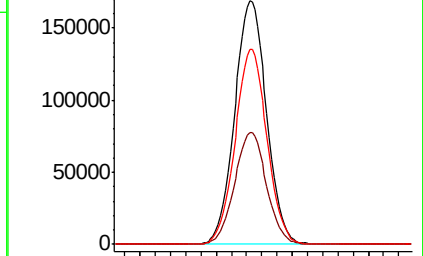
151 80.0 64.4 96.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 136.620 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

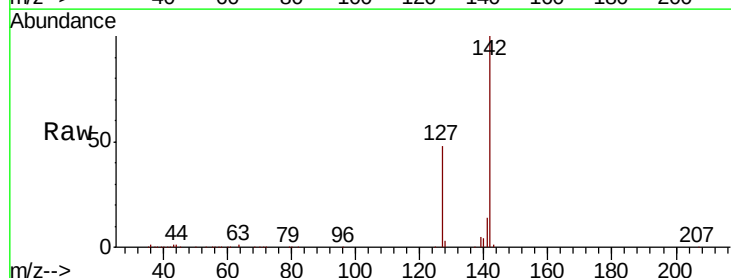
Tgt Ion:142 Resp: 761236

Ion Ratio Lower Upper

142 100

127 47.8 37.9 56.9

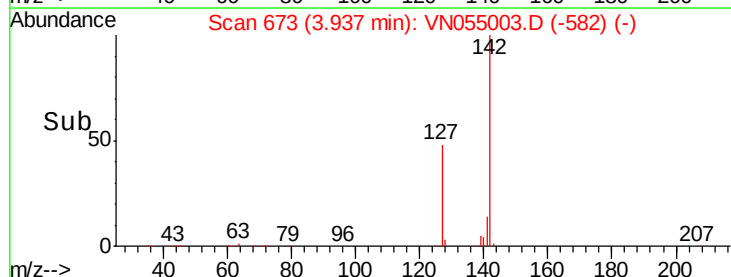
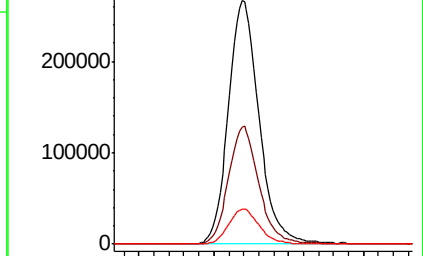
141 14.4 11.8 17.8

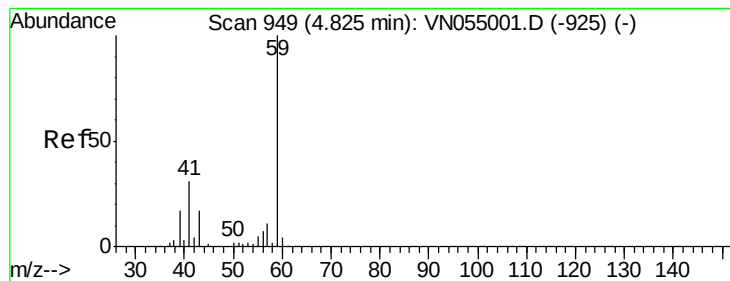


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



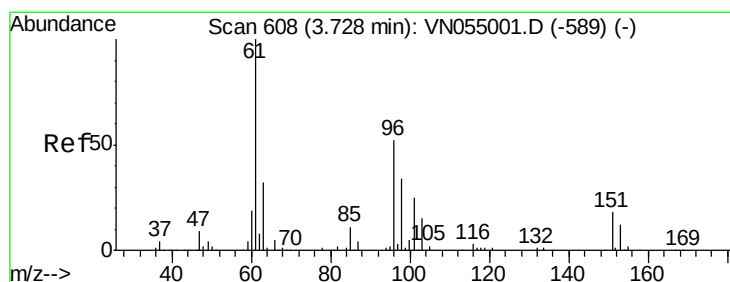
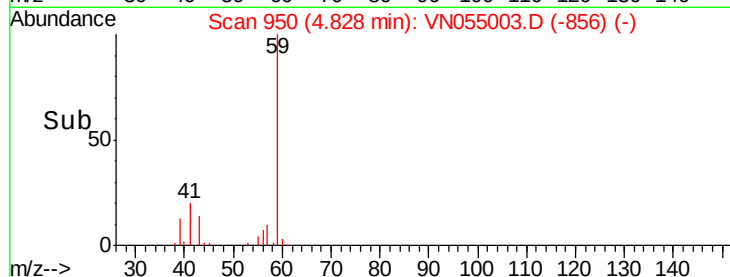
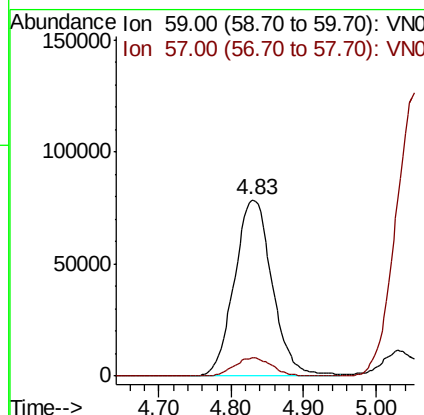
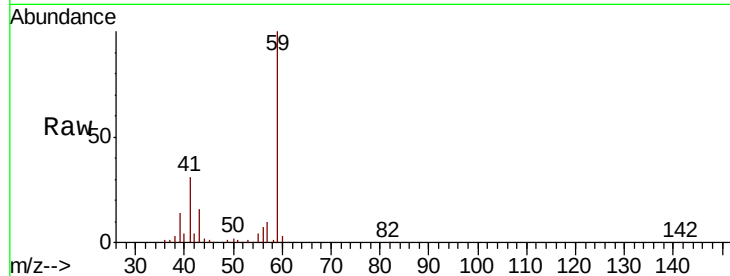


#11

Tert butyl alcohol
 Concen: 898.667 ug/l
 RT: 4.83 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Instrument :
 MSVOA_N
 ClientSampled :

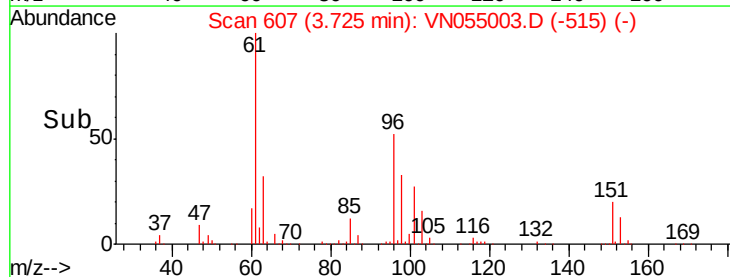
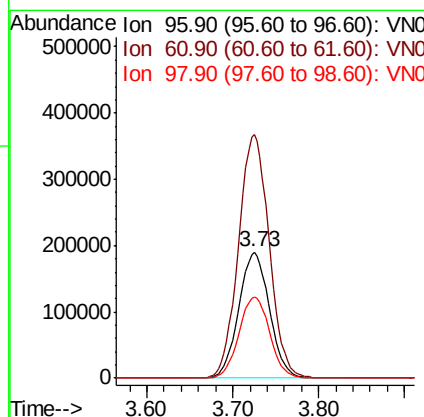
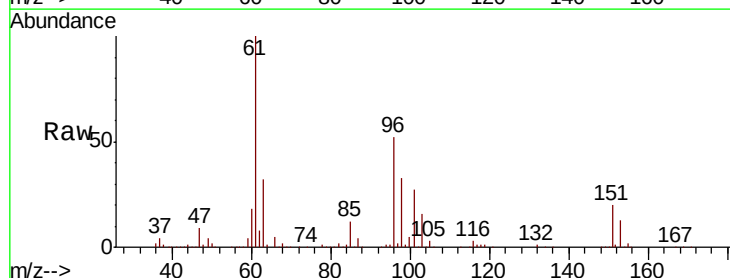
Tot Ion: 59 Resp: 286045
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

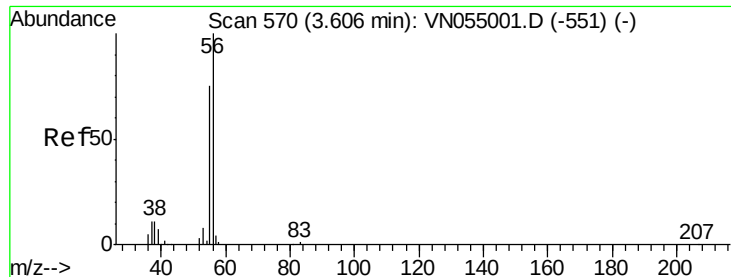


#12

1,1-Dichloroethene
 Concen: 120.277 ug/l
 RT: 3.73 min Scan# 607
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 96 Resp: 470519
 Ion Ratio Lower Upper
 96 100
 61 193.0 154.2 231.4
 98 64.3 52.9 79.3





#13

Acrolein

Concen: 725.923 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

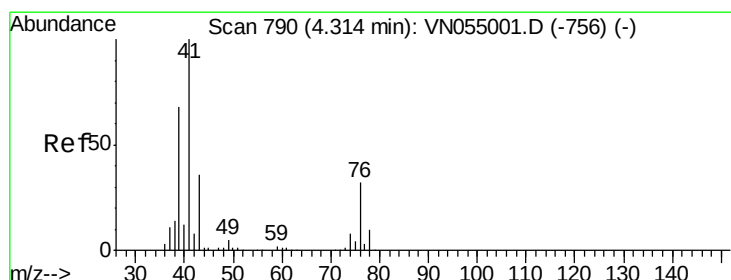
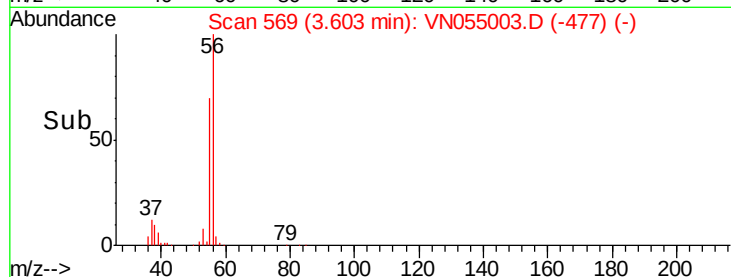
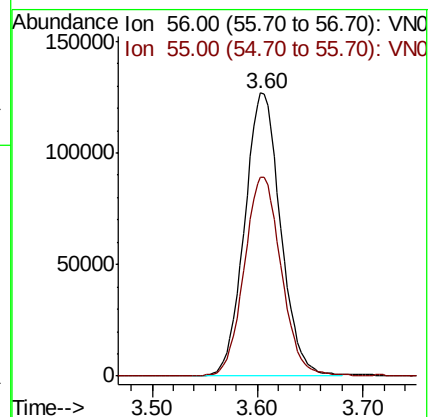
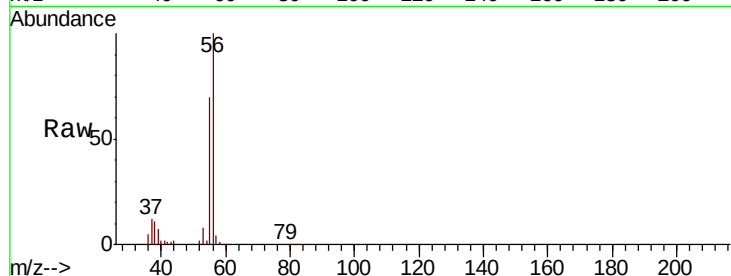
ClientSampled :

Tot Ion: 56 Resp: 301825

Ion Ratio Lower Upper

56 100

55 72.4 59.5 89.3



#14

Allyl chloride

Concen: 147.798 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

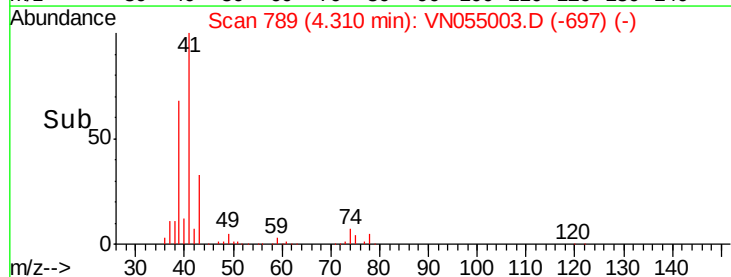
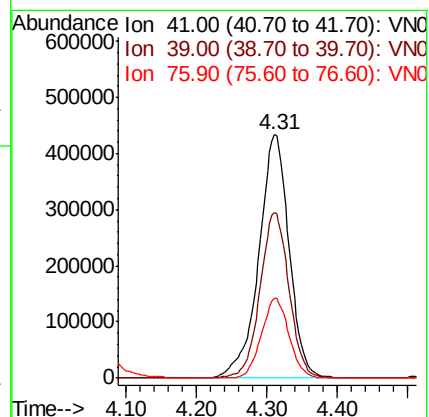
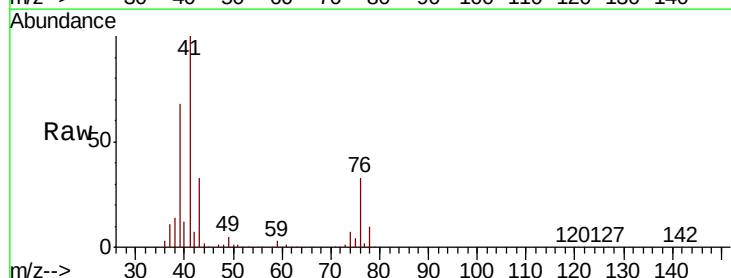
Tgt Ion: 41 Resp: 1298697

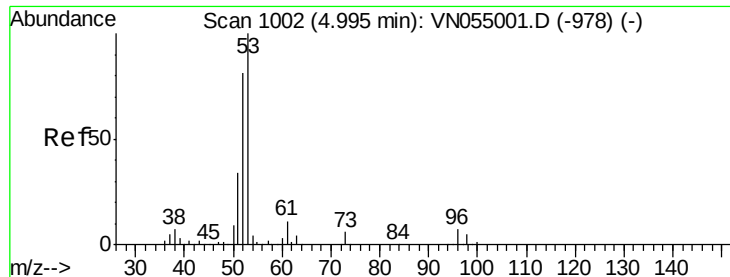
Ion Ratio Lower Upper

41 100

39 65.0 52.7 79.1

76 29.8 23.2 34.8





#15

Acrylonitrile

Concen: 801.341 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

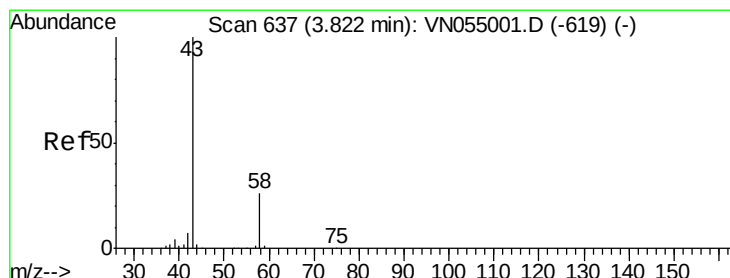
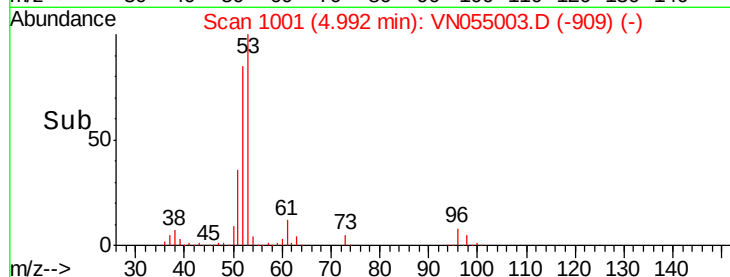
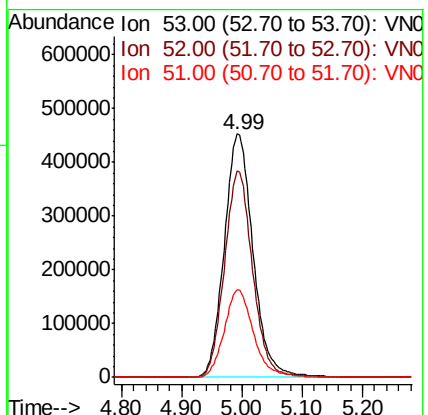
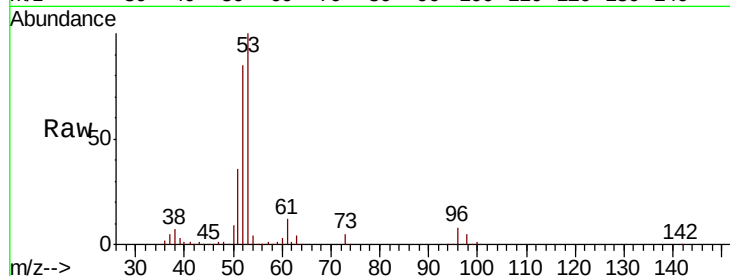
Tot Ion: 53 Resp: 1503524

Ion Ratio Lower Upper

53 100

52 83.1 65.9 98.9

51 36.7 29.7 44.5



#16

Acetone

Concen: 624.771 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055003.D

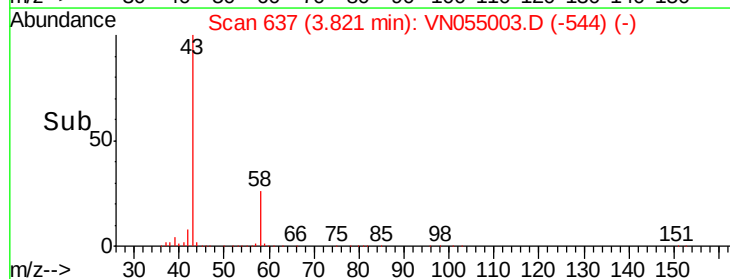
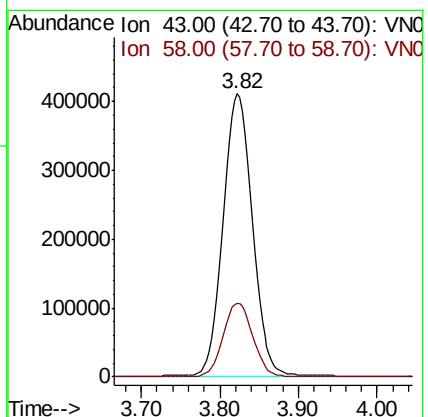
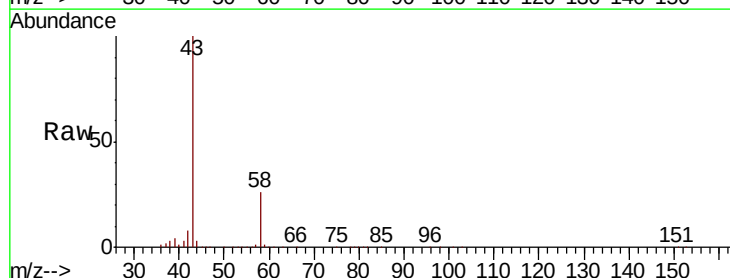
Acq: 12 Apr 2019 16:58

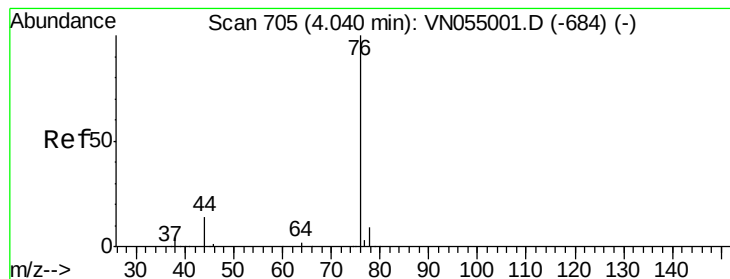
Tgt Ion: 43 Resp: 1050644

Ion Ratio Lower Upper

43 100

58 26.1 20.9 31.3





#17

Carbon Disulfide

Concen: 137.687 ug/l

RT: 4.04 min Scan# 704

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

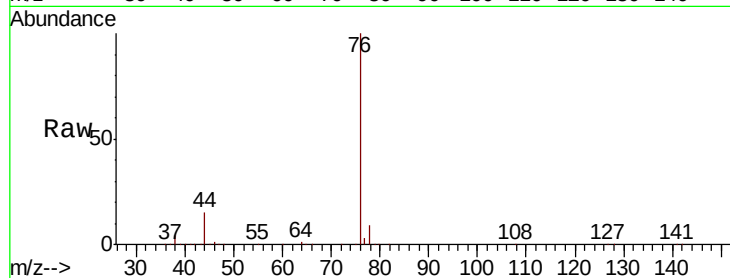
ClientSampleId :

Tot Ion: 76 Resp: 1714825

Ion Ratio Lower Upper

76 100

78 9.0 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

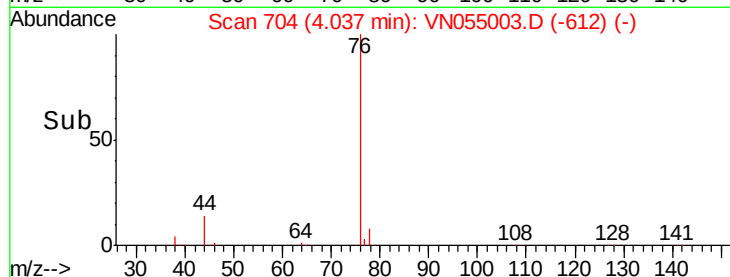
600000

400000

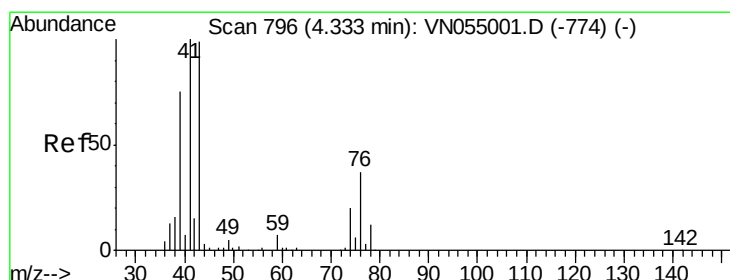
200000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 150.337 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN055003.D

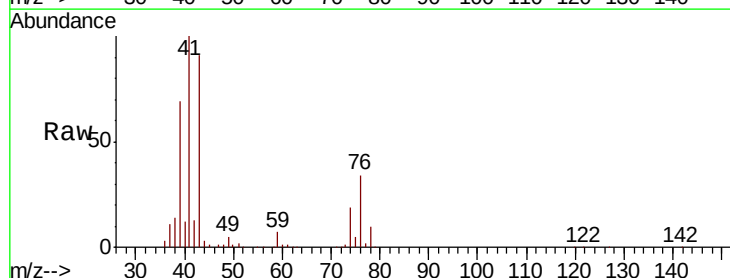
Acq: 12 Apr 2019 16:58

Tgt Ion: 43 Resp: 684328

Ion Ratio Lower Upper

43 100

74 20.3 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

250000

200000

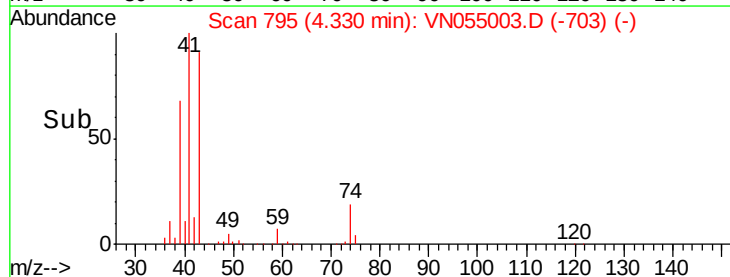
150000

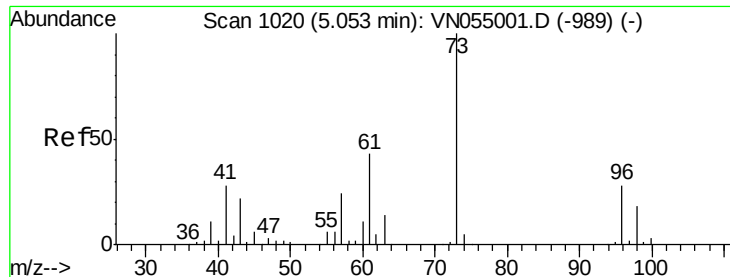
100000

50000

0

Time-->

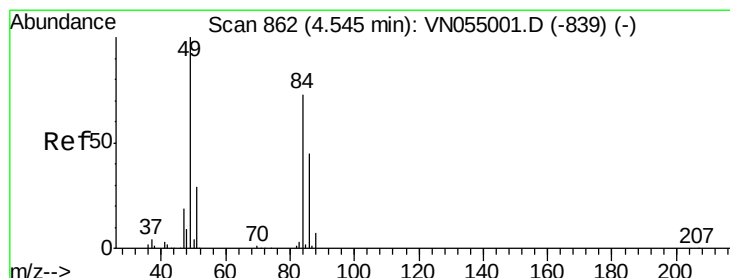
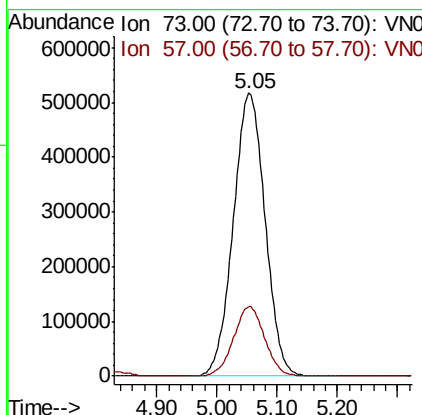
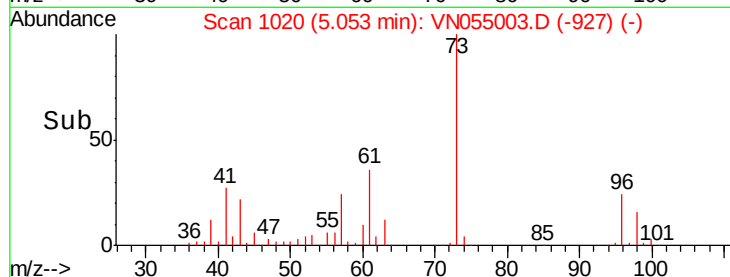
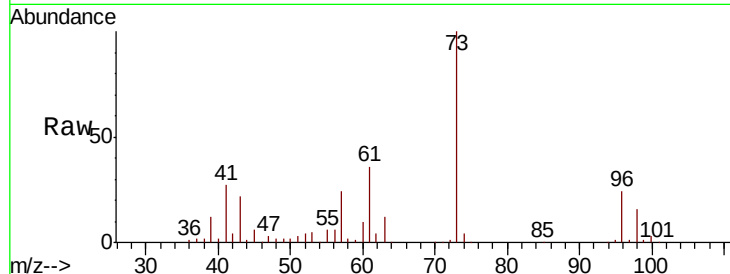




#19
Methyl tert-butyl Ether
Concen: 147.203 ug/l
RT: 5.05 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

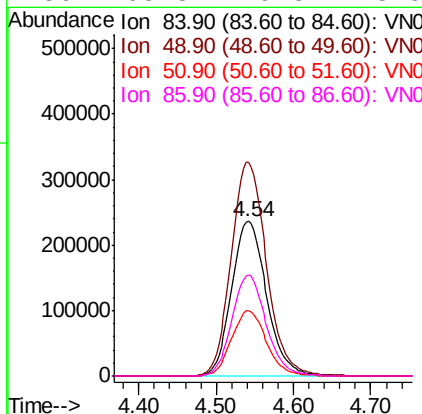
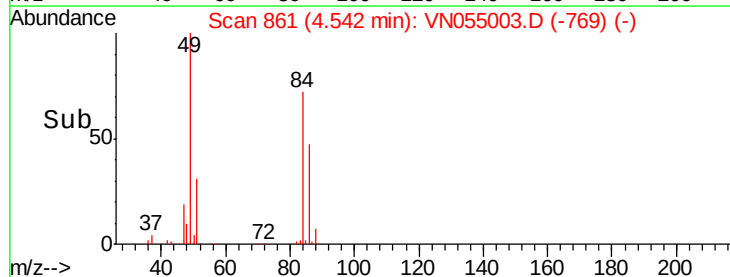
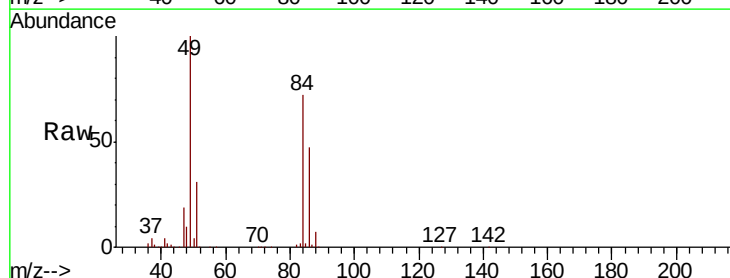
Instrument :
MSVOA_N
ClientSampled :

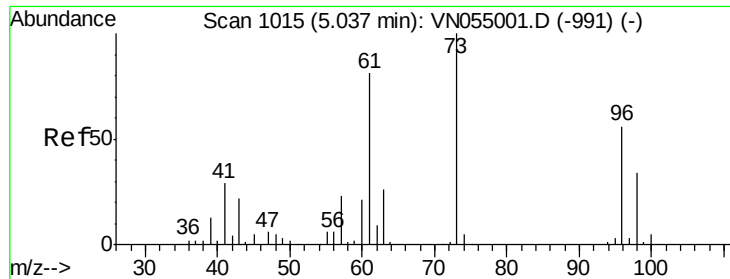
Tot Ion: 73 Resp: 1906270
Ion Ratio Lower Upper
73 100
57 24.4 19.0 28.4



#20
Methylene Chloride
Concen: 133.955 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 84 Resp: 743009
Ion Ratio Lower Upper
84 100
49 137.9 109.4 164.2
51 42.2 32.2 48.4
86 65.3 49.3 73.9



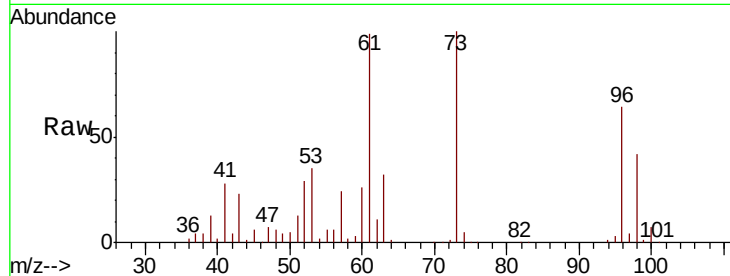


#21

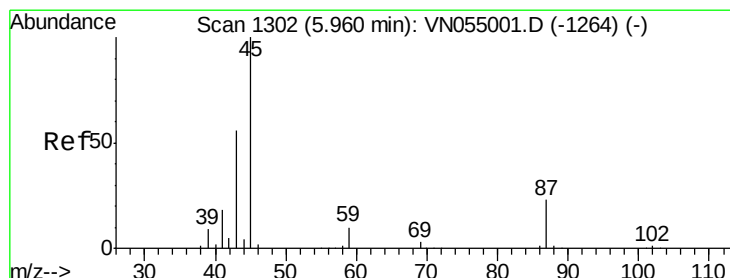
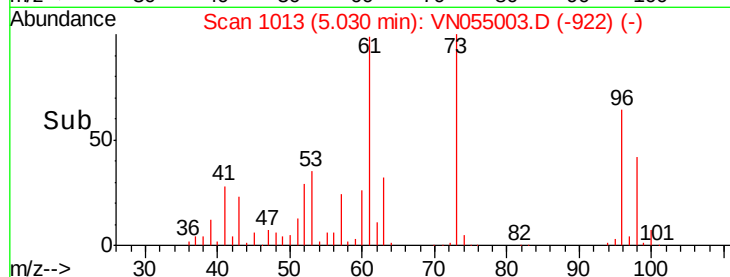
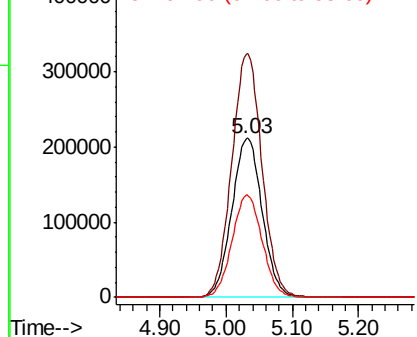
trans-1,2-Dichloroethene
Concen: 136.292 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 673189
Ion Ratio Lower Upper
96 100
61 153.3 114.9 172.3
98 64.8 48.4 72.6



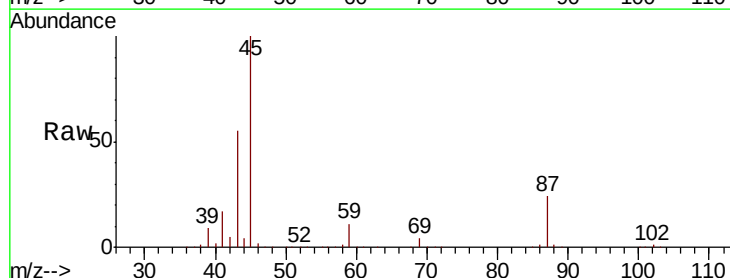
Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



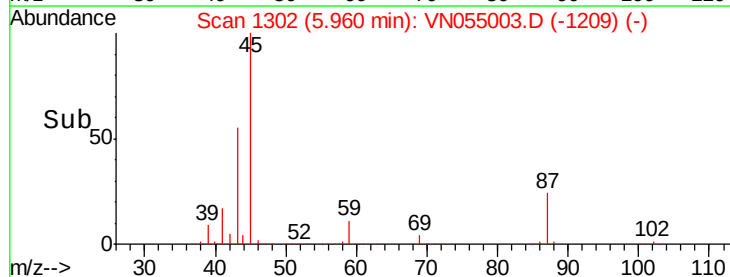
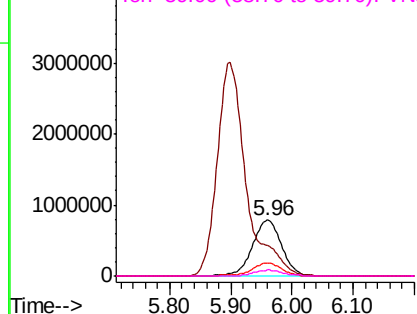
#22

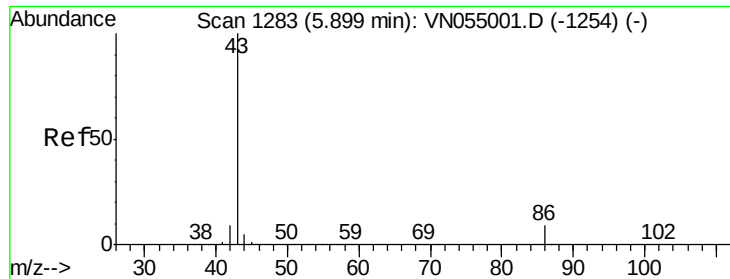
Diisopropyl ether
Concen: 144.650 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 45 Resp: 2620103
Ion Ratio Lower Upper
45 100
43 54.7 44.8 67.2
87 23.6 18.9 28.3
59 10.6 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: 788.199 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

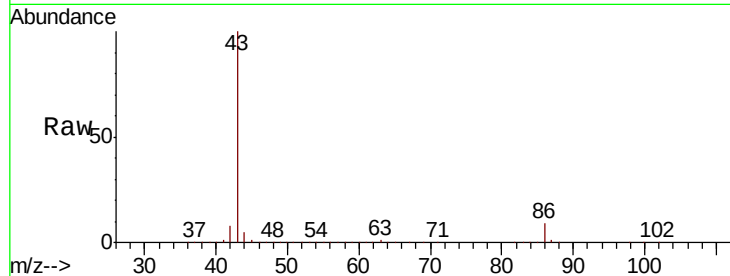
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 9946182

Ion Ratio Lower Upper

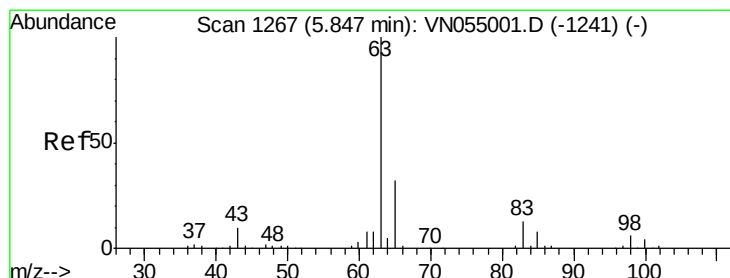
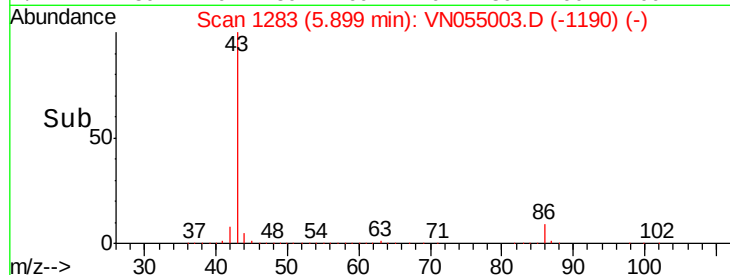
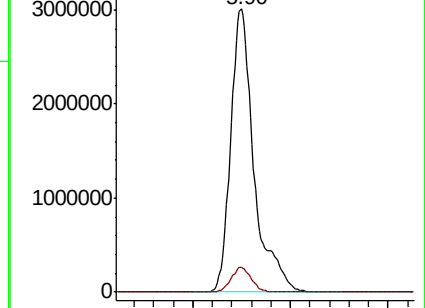
43 100

86 8.7 7.0 10.4



Abundance Ion 43.00 (42.70 to 43.70): VN055003.D (-1190) (-)

Ion 86.00 (85.70 to 86.70): VN055003.D (-1190) (-)



#24

1,1-Dichloroethane

Concen: 137.617 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

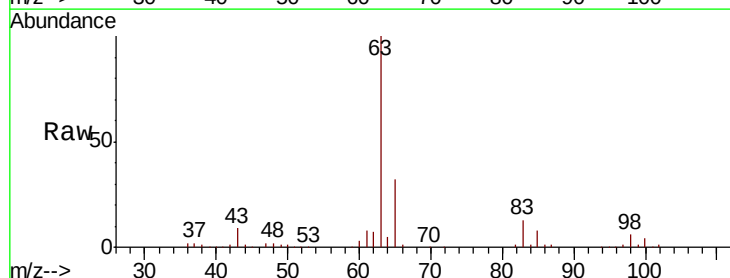
Tgt Ion: 63 Resp: 1355016

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

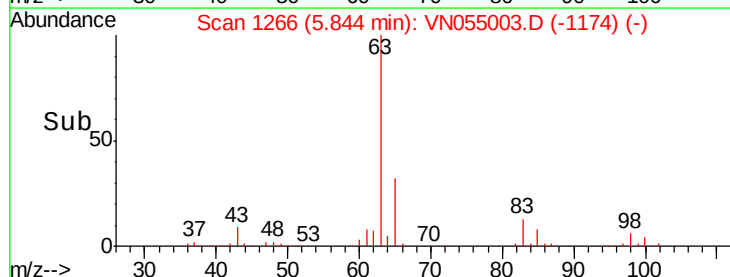
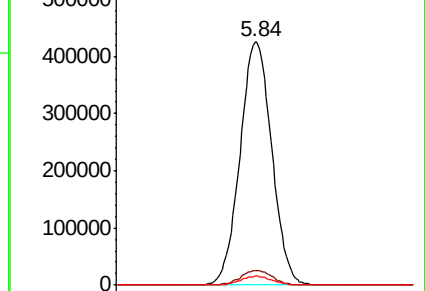
100 3.7 2.0 5.8

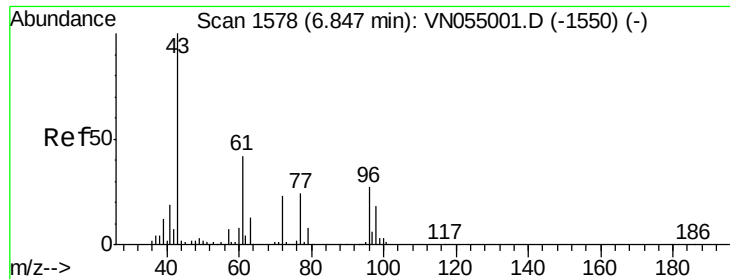


Abundance Ion 62.90 (62.60 to 63.60): VN055003.D (-1174) (-)

Ion 97.90 (97.60 to 98.60): VN055003.D (-1174) (-)

Ion 99.90 (99.60 to 100.60): VN055003.D (-1174) (-)

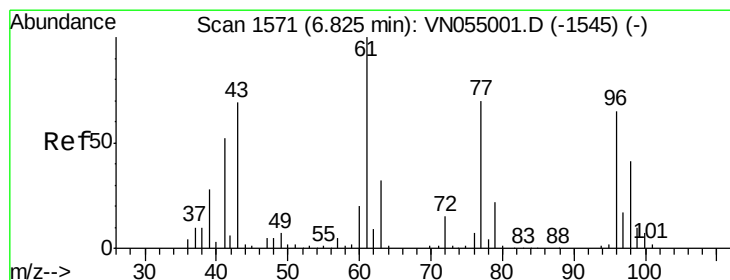
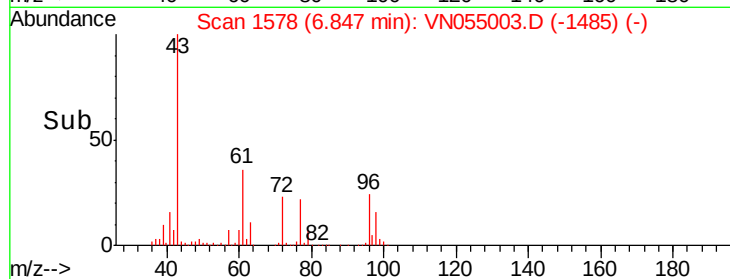
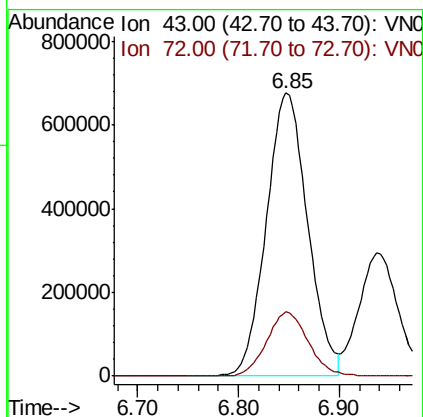
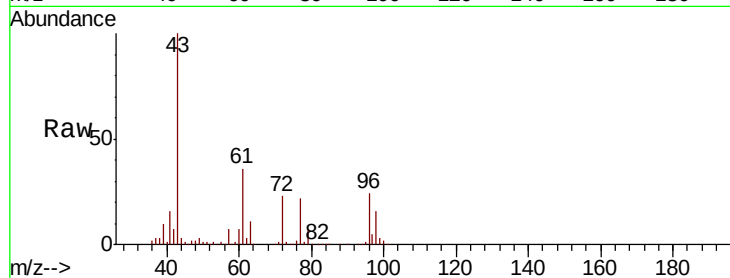




#25
 2-Butanone
 Concen: 845.754 ug/l
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

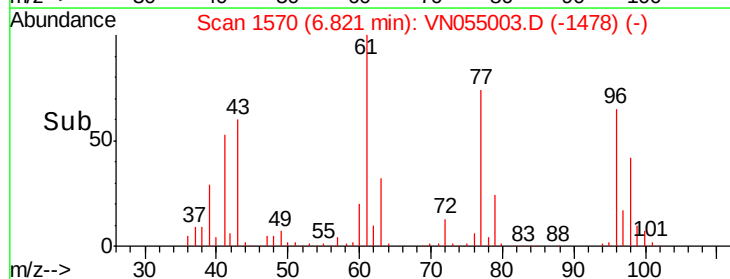
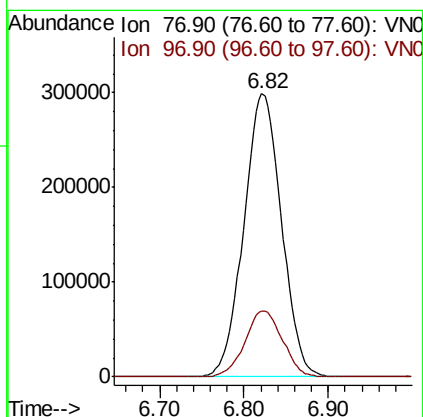
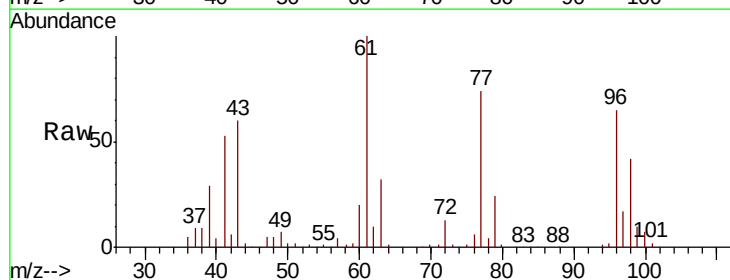
Instrument :
 MSVOA_N
 ClientSampled :

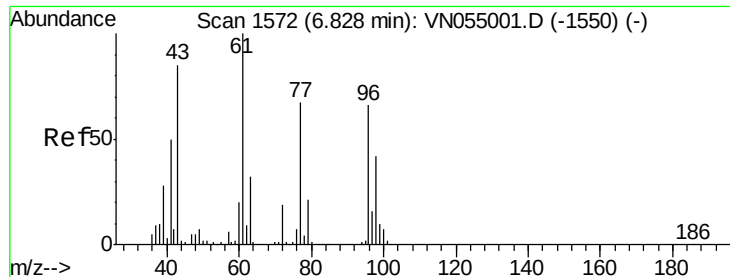
Tot Ion: 43 Resp: 1918471
 Ion Ratio Lower Upper
 43 100
 72 22.7 18.1 27.1



#26
 2,2-Dichloropropane
 Concen: 135.094 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 77 Resp: 926431
 Ion Ratio Lower Upper
 77 100
 97 23.2 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 140.413 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampled :

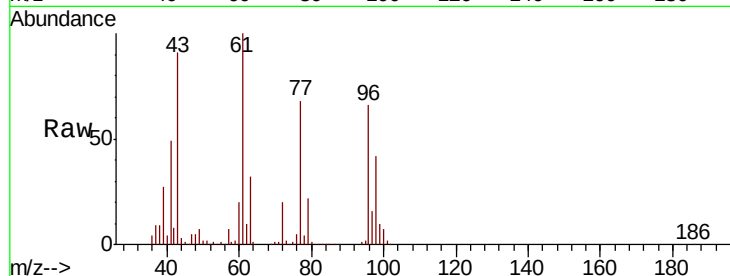
Tot Ion: 96 Resp: 789824

Ion Ratio Lower Upper

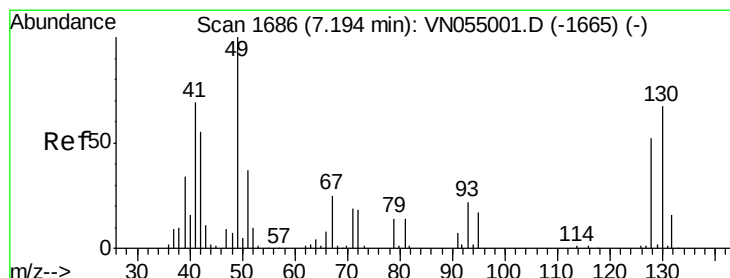
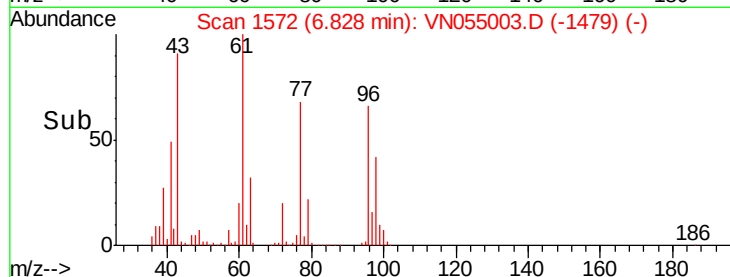
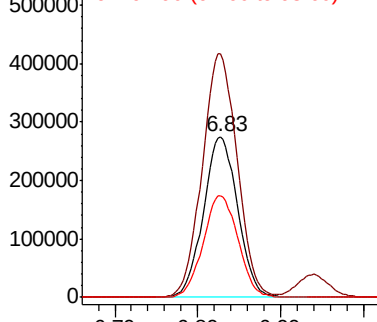
96 100

61 154.6 0.0 311.0

98 64.4 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: 115.856 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

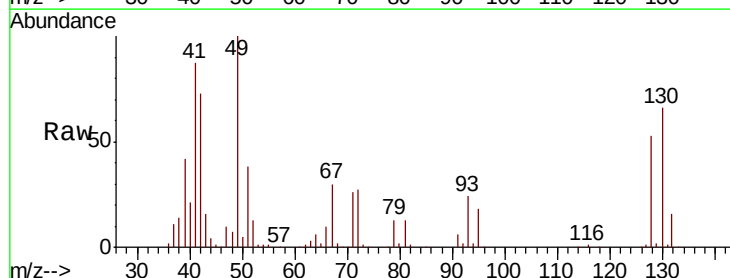
Tgt Ion: 49 Resp: 538657

Ion Ratio Lower Upper

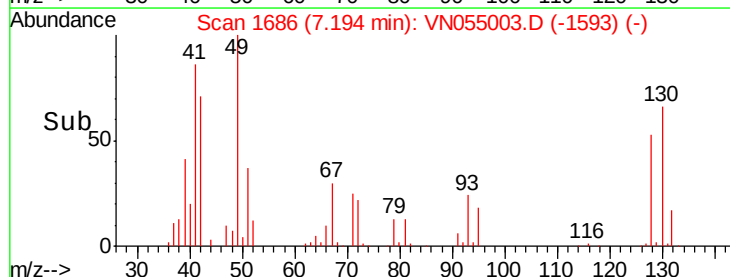
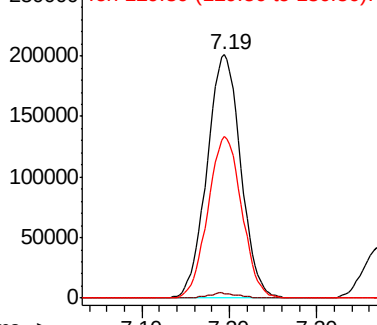
49 100

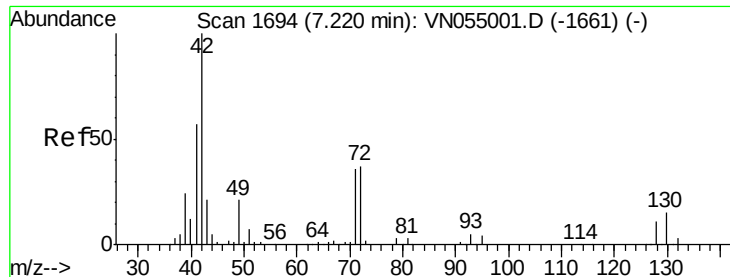
129 1.9 0.0 2.0

130 66.4 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

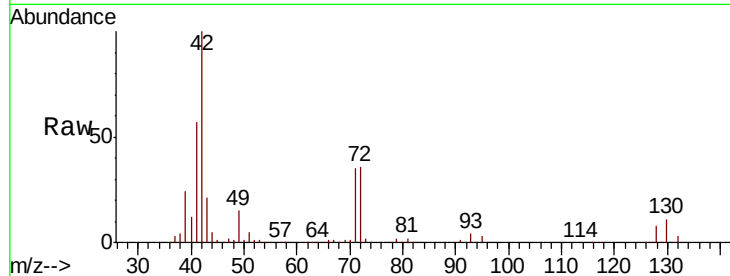




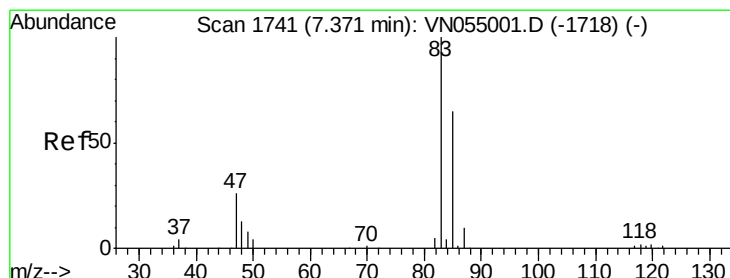
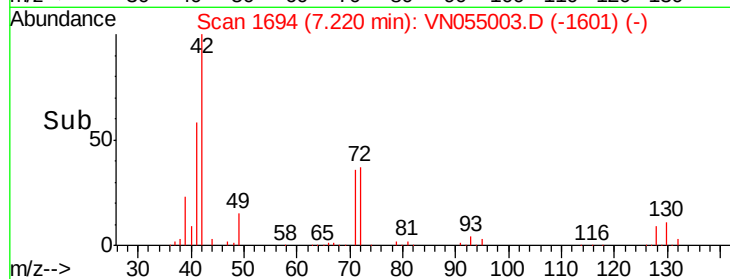
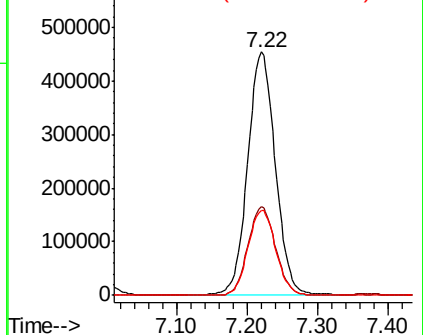
#29
Tetrahydrofuran
Concen: 826.836 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1239999
Ion Ratio Lower Upper
42 100
72 36.3 29.4 44.0
71 35.2 27.8 41.6

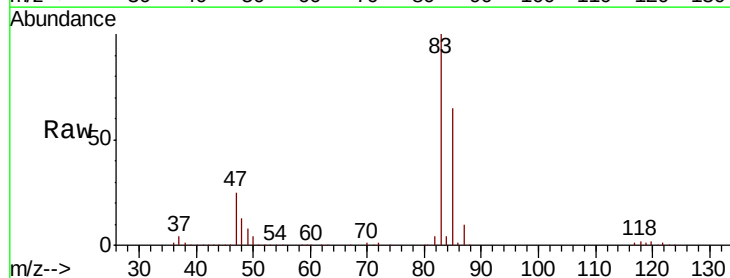


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

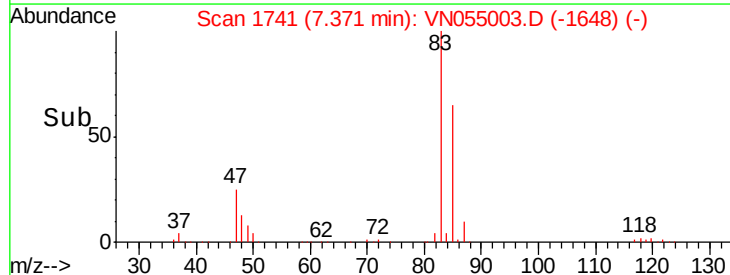
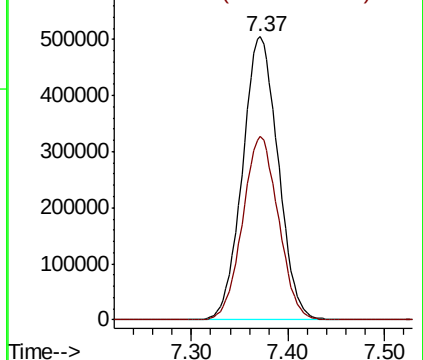


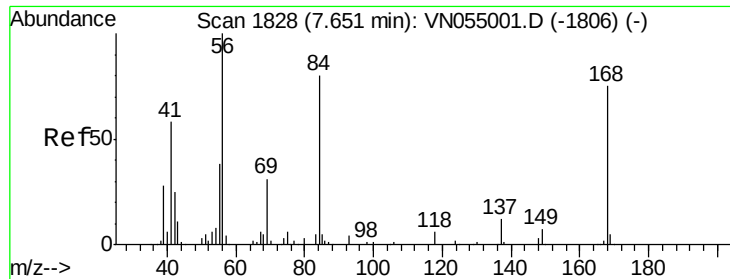
#30
Chloroform
Concen: 138.282 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 83 Resp: 1292041
Ion Ratio Lower Upper
83 100
85 64.7 51.8 77.6



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

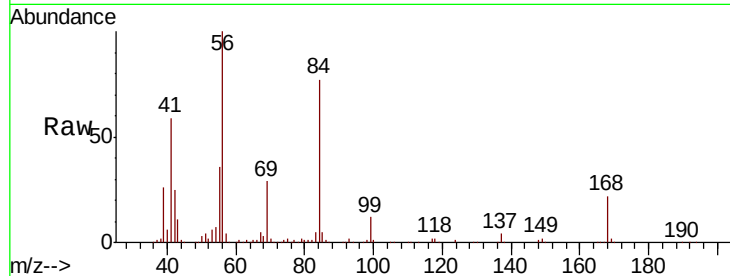




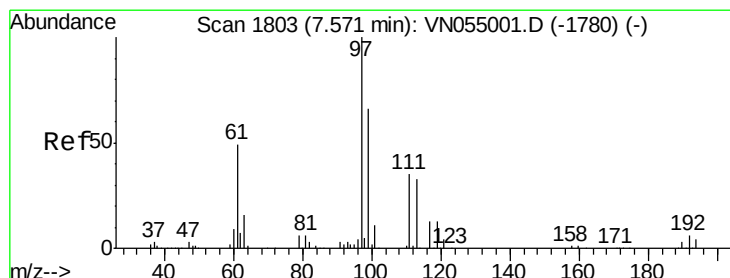
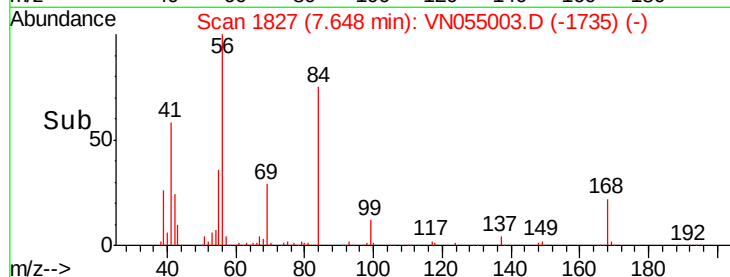
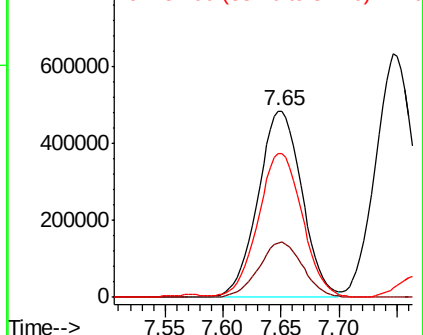
#31
Cyclohexane
Concen: 113.575 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 1276275
Ion Ratio Lower Upper
56 100
69 29.3 24.5 36.7
84 75.9 62.9 94.3

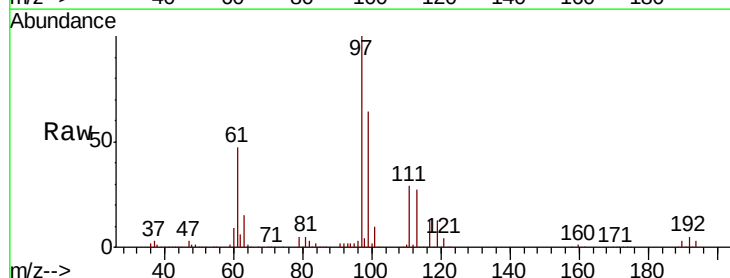


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

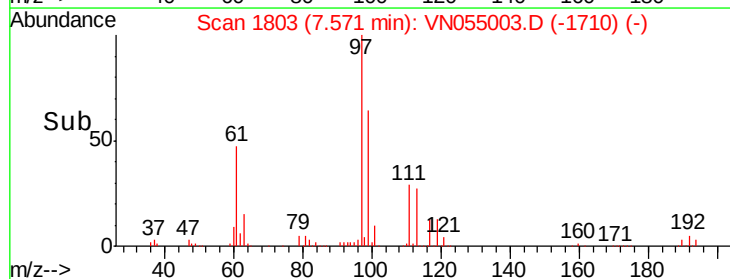
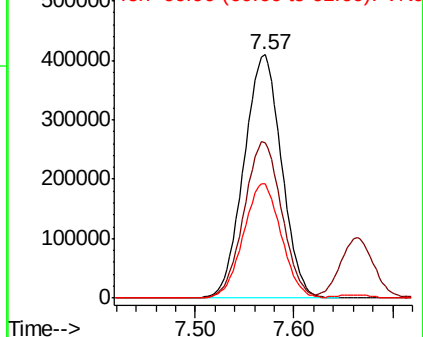


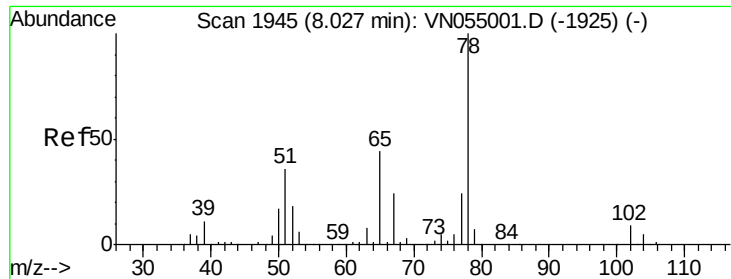
#32
1,1,1-Trichloroethane
Concen: 137.406 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 97 Resp: 1078925
Ion Ratio Lower Upper
97 100
99 64.4 51.6 77.4
61 47.1 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

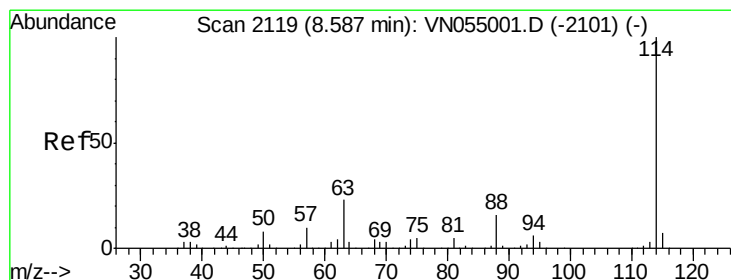
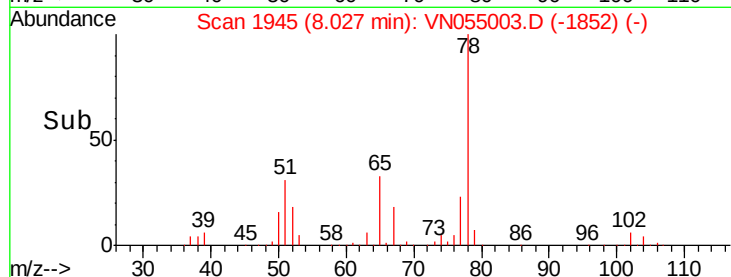
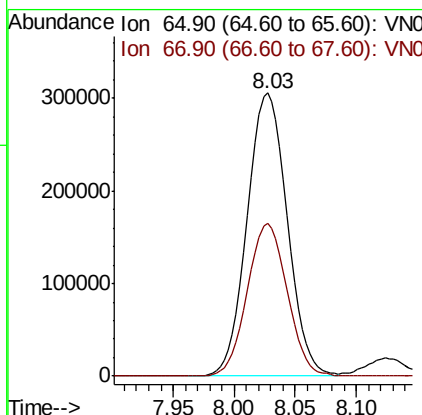
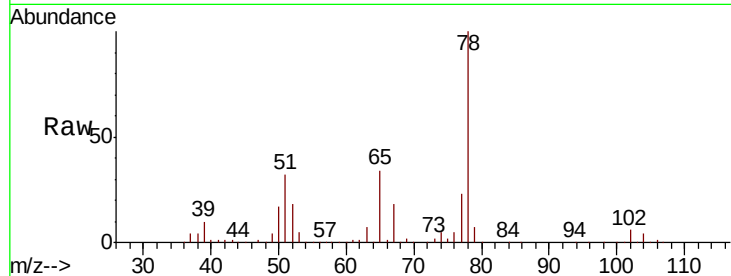




#33
 1,2-Dichloroethane-d4
 Concen: 116.531 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

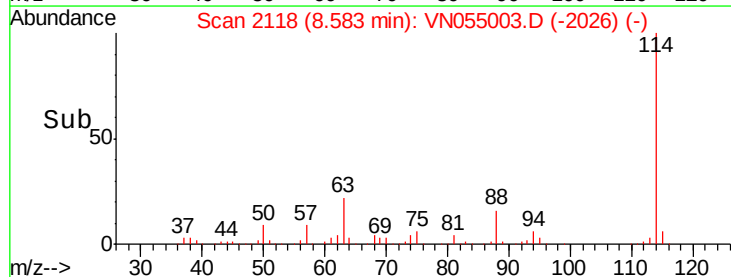
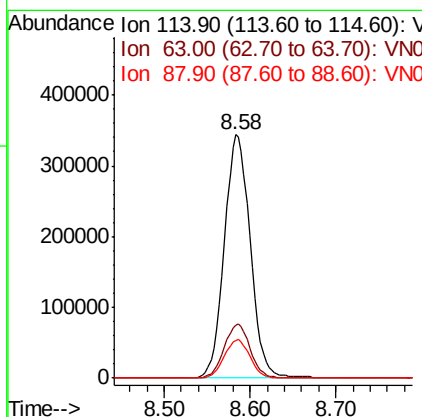
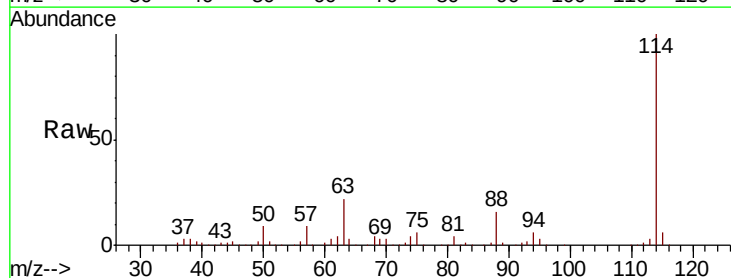
Instrument :
 MSVOA_N
 ClientSampled :

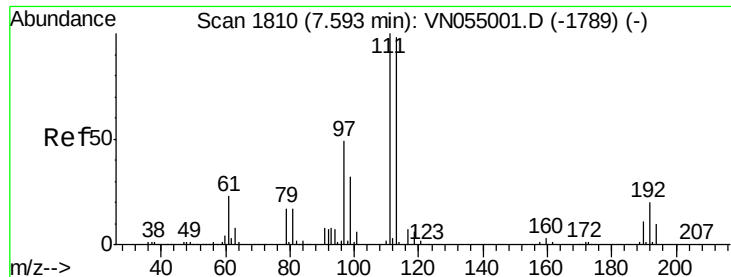
Tot Ion: 65 Resp: 696221
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 106.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 114 Resp: 722489
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.2
 88 15.6 0.0 31.8

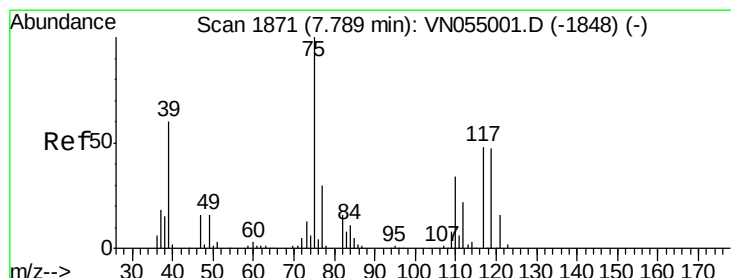
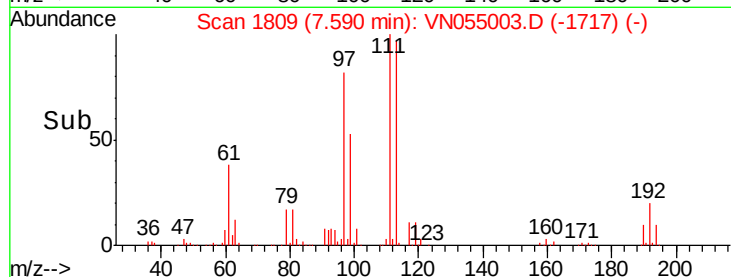
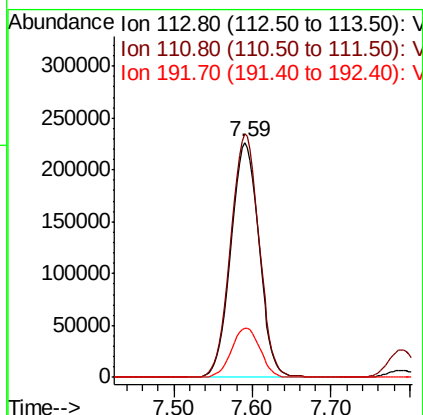
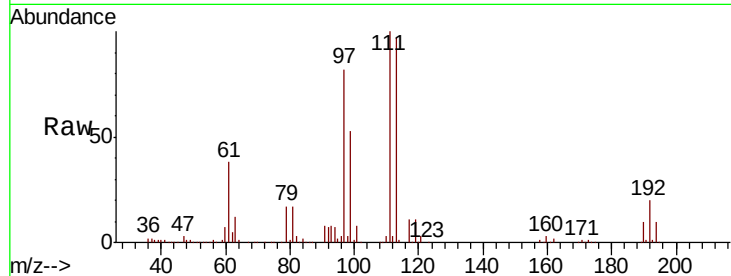




#35
 Dibromofluoromethane
 Concen: 120.018 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

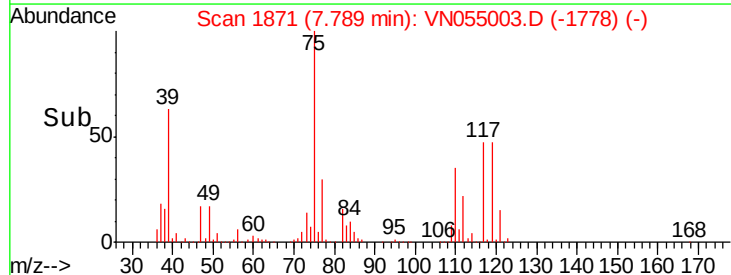
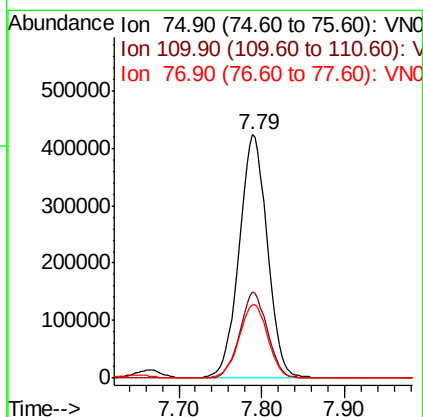
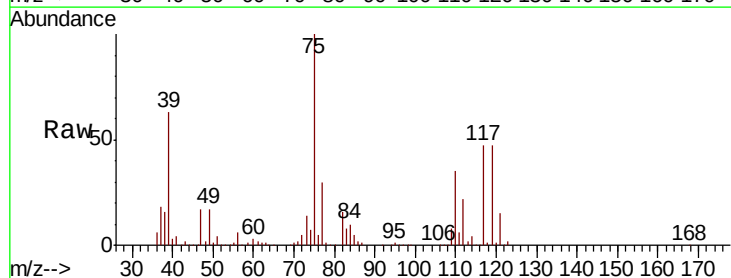
Instrument :
 MSVOA_N
 ClientSampleId :

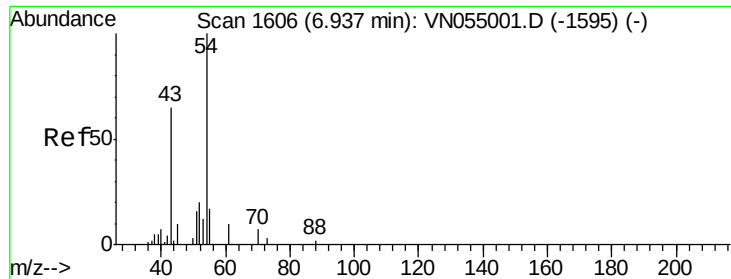
Tot Ion:113 Resp: 564351
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.1 123.1
 192 21.4 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 141.263 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 75 Resp: 996870
 Ion Ratio Lower Upper
 75 100
 110 34.7 17.5 52.5
 77 31.0 24.9 37.3

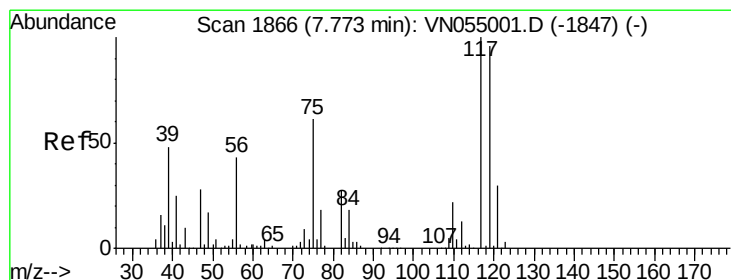
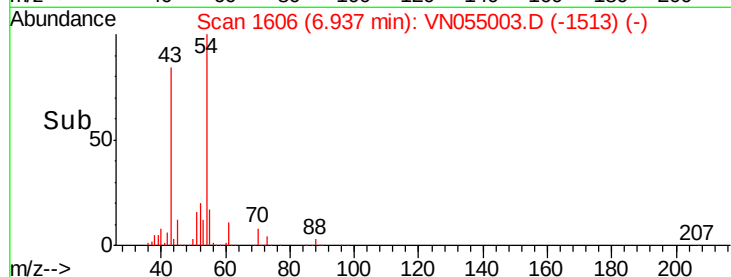
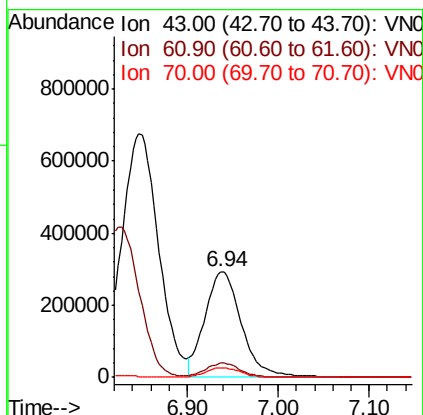
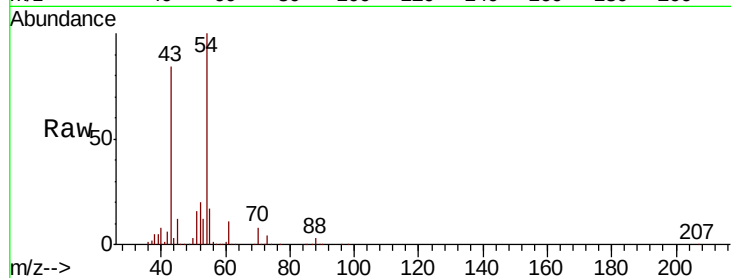




#37
Ethyl Acetate
Concen: 162.605 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

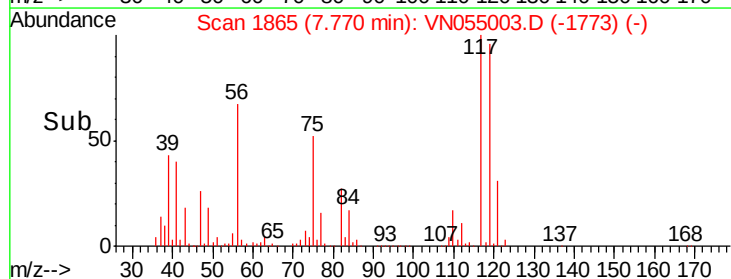
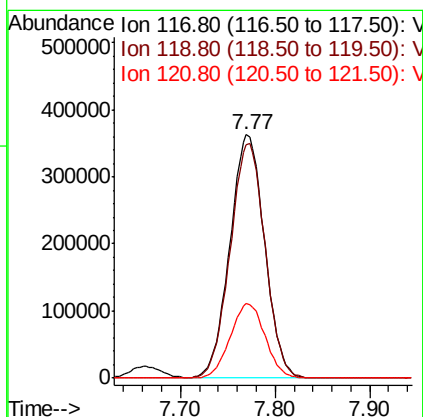
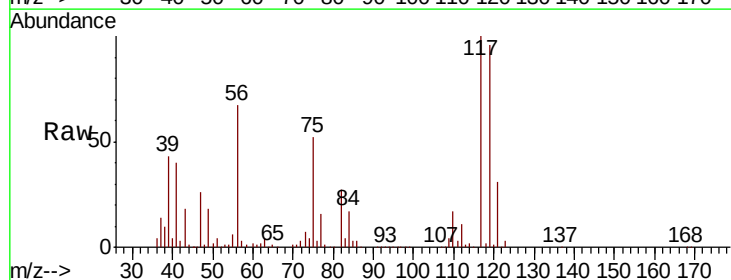
Instrument :
MSVOA_N
ClientSampled :

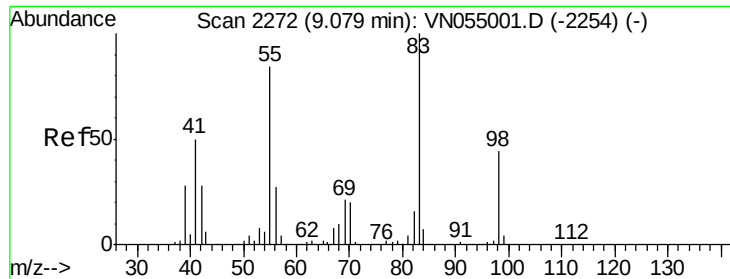
Tot Ion: 43 Resp: 806461
Ion Ratio Lower Upper
43 100
61 13.1 10.0 15.0
70 8.9 7.1 10.7



#38
Carbon Tetrachloride
Concen: 136.101 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 117 Resp: 924373
Ion Ratio Lower Upper
117 100
119 96.1 76.3 114.5
121 30.6 23.9 35.9

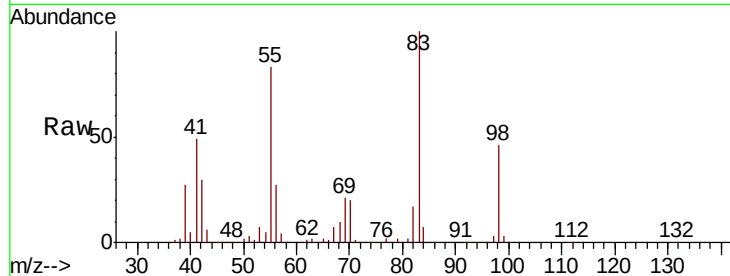




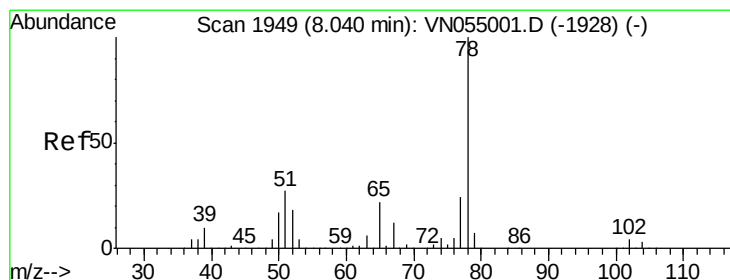
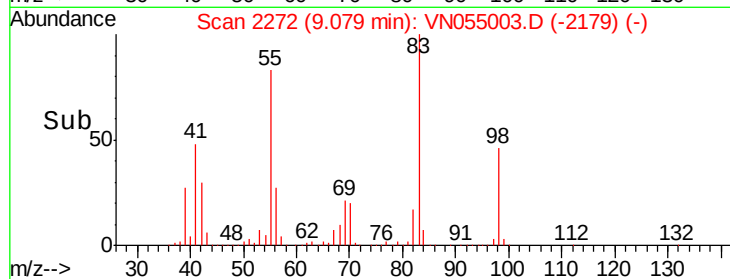
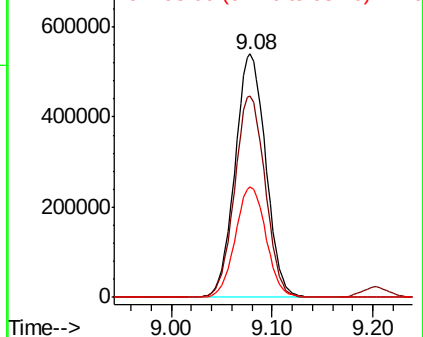
#39
Methylvlcyclohexane
Concen: 146.091 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 1135918
Ion Ratio Lower Upper
83 100
55 82.9 67.0 100.4
98 45.5 35.6 53.4

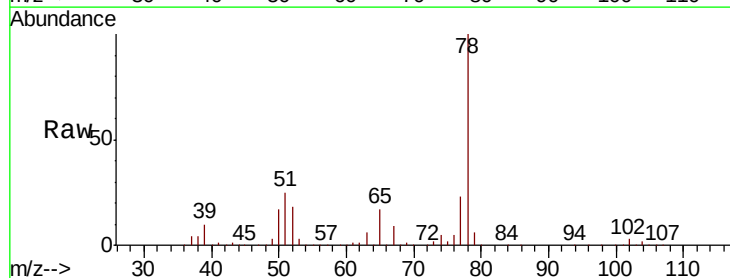


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

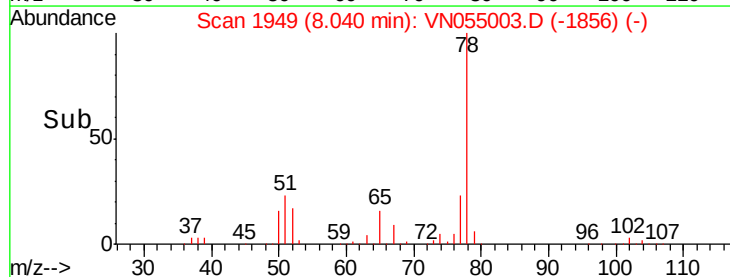
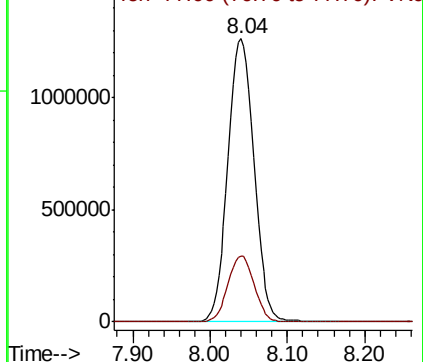


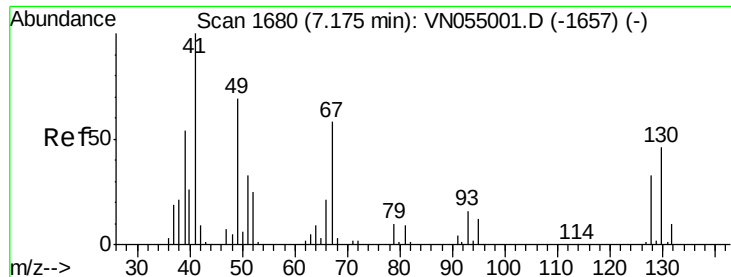
#40
Benzene
Concen: 145.181 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 78 Resp: 2965124
Ion Ratio Lower Upper
78 100
77 23.4 18.8 28.2



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





#41

Methacrylonitrile

Concen: 165.548 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 468059

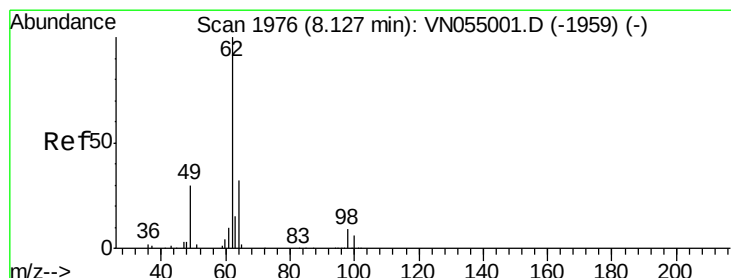
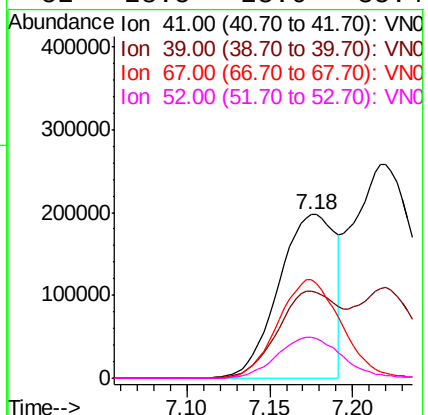
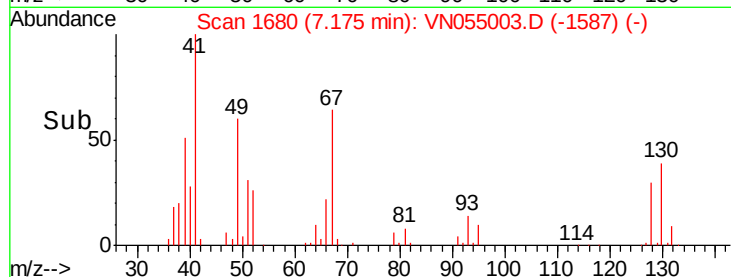
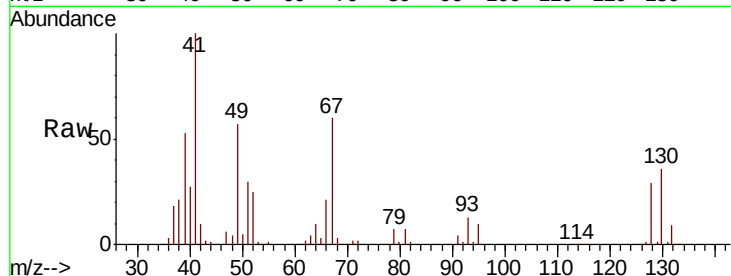
Ion Ratio Lower Upper

41 100

39 59.9 45.6 68.4

67 67.9 57.0 85.6

52 28.5 23.6 35.4



#42

1,2-Dichloroethane

Concen: 140.097 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055003.D

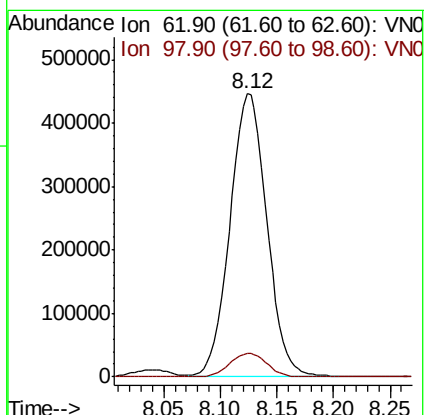
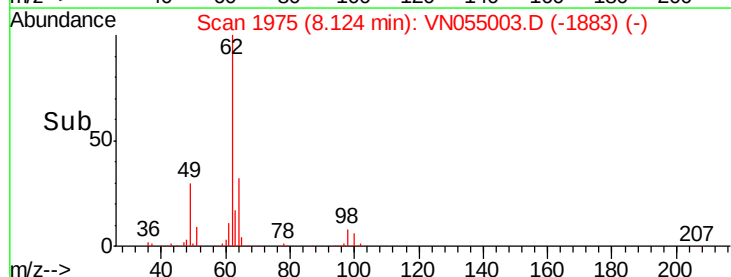
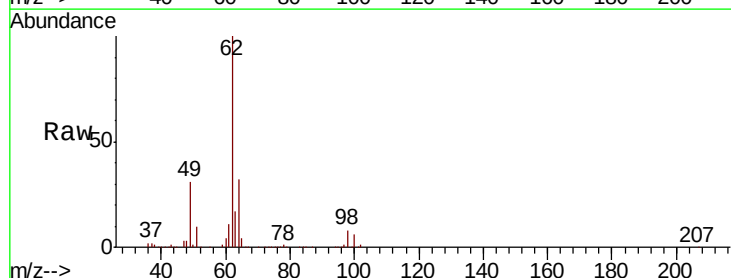
Acq: 12 Apr 2019 16:58

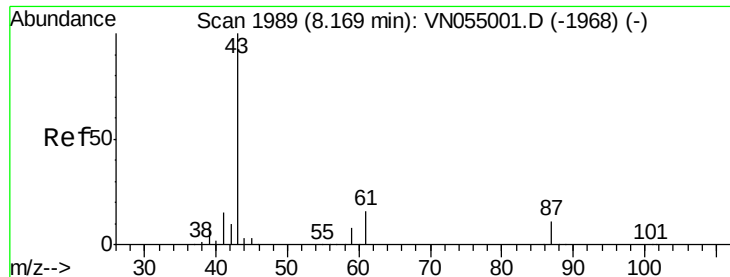
Tgt Ion: 62 Resp: 1007529

Ion Ratio Lower Upper

62 100

98 8.5 0.0 17.4





#43

Isopropyl Acetate

Concen: 169.458 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

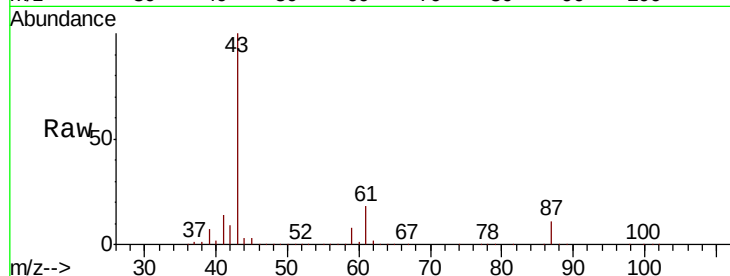
Tot Ion: 43 Resp: 1414167

Ion Ratio Lower Upper

43 100

61 18.3 14.3 21.5

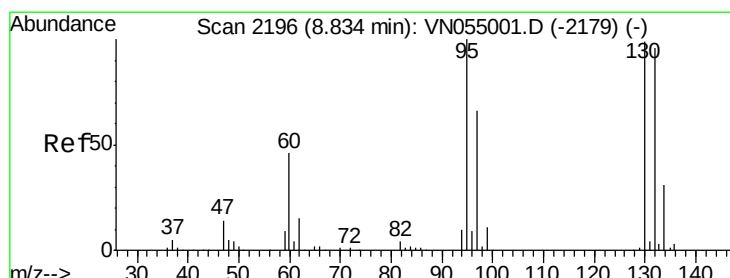
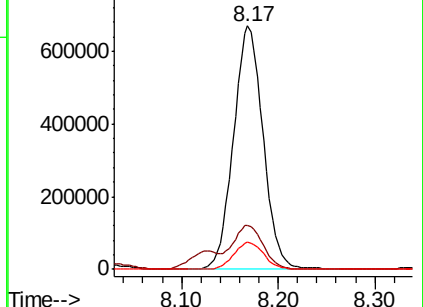
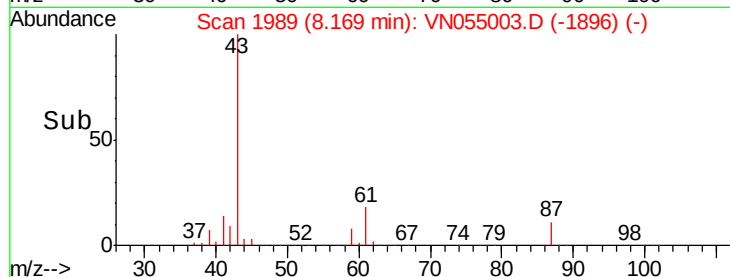
87 11.3 8.6 13.0



Abundance Ion 43.00 (42.70 to 43.70): VN055003.D (-2103) (-)

Ion 61.00 (60.70 to 61.70): VN055003.D (-2103) (-)

Ion 87.00 (86.70 to 87.70): VN055003.D (-2103) (-)



#44

Trichloroethene

Concen: 144.790 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN055003.D

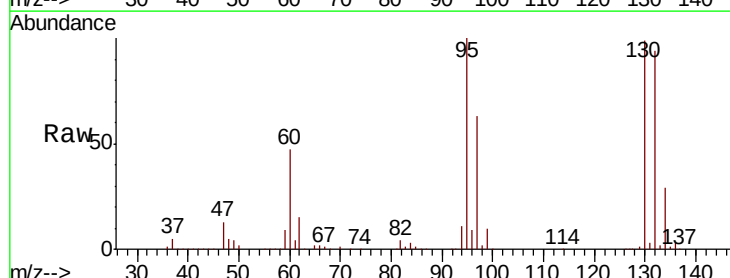
Acq: 12 Apr 2019 16:58

Tgt Ion:130 Resp: 756781

Ion Ratio Lower Upper

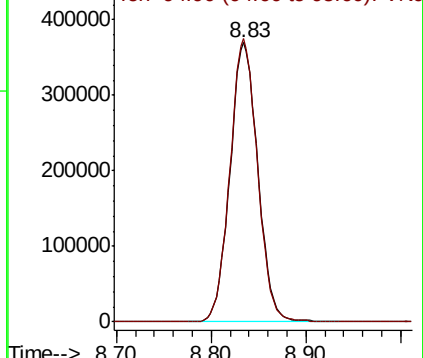
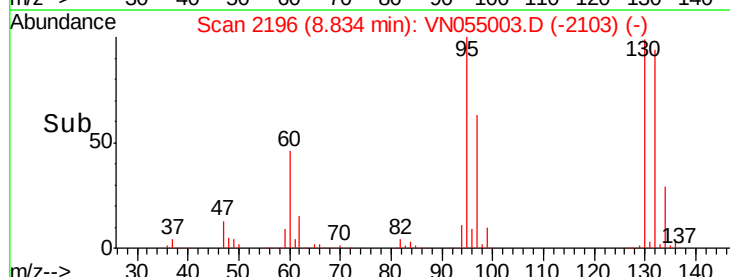
130 100

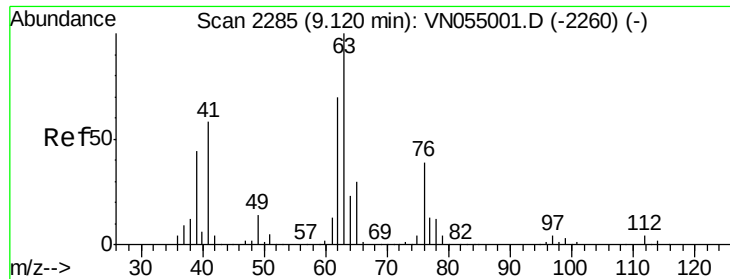
95 101.4 0.0 201.6



Abundance Ion 129.80 (129.50 to 130.50): VN055003.D (-2103) (-)

Ion 94.90 (94.60 to 95.60): VN055003.D (-2103) (-)

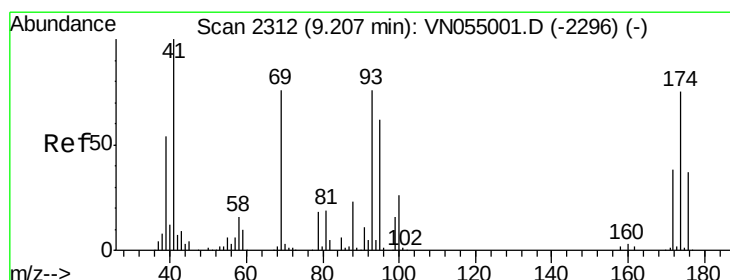
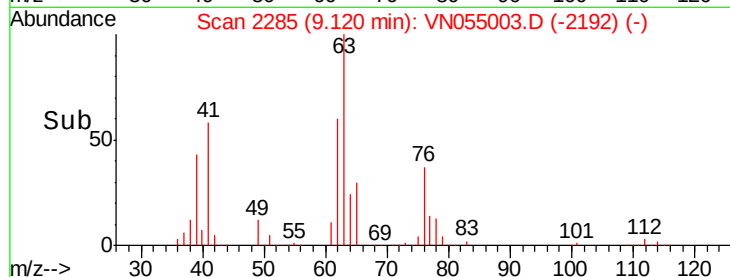
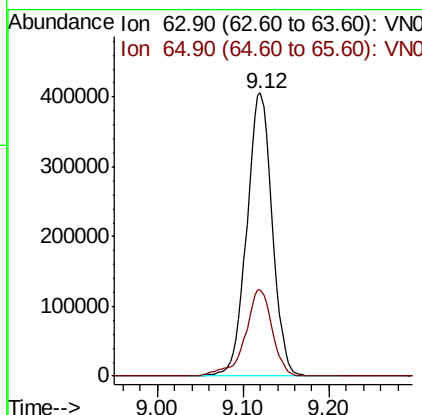
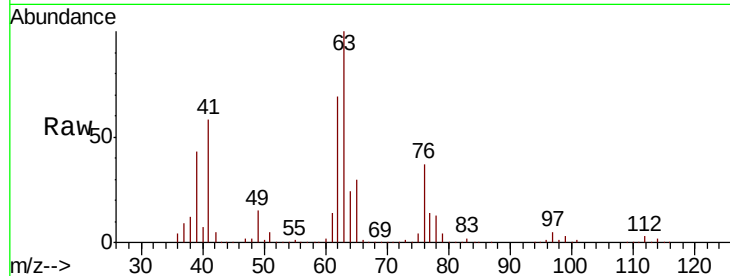




#45
 1,2-Dichloropropane
 Concen: 146.341 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

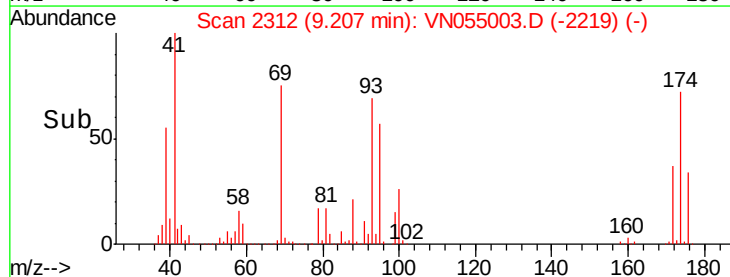
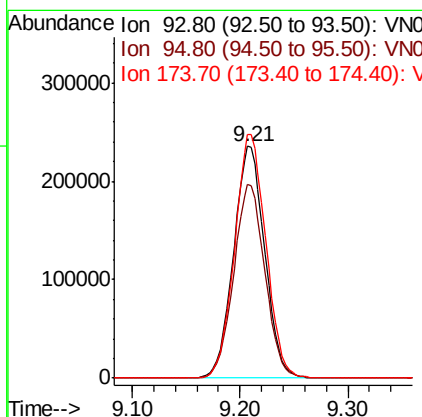
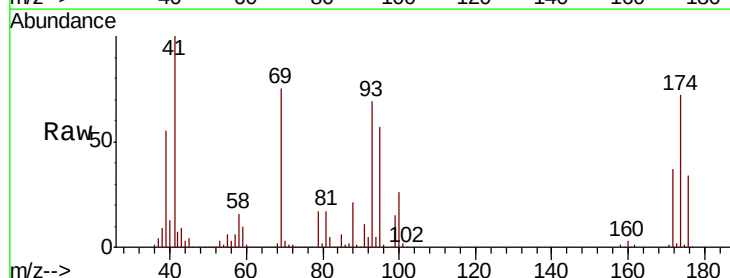
Instrument :
 MSVOA_N
 ClientSampled :

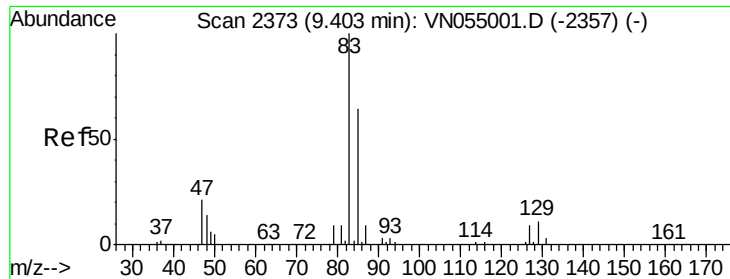
Tot Ion: 63 Resp: 832935
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.4 36.6



#46
 Dibromomethane
 Concen: 145.504 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 93 Resp: 473540
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.0 97.6
 174 105.3 81.0 121.6





#47

Bromodichloromethane

Concen: 151.381 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

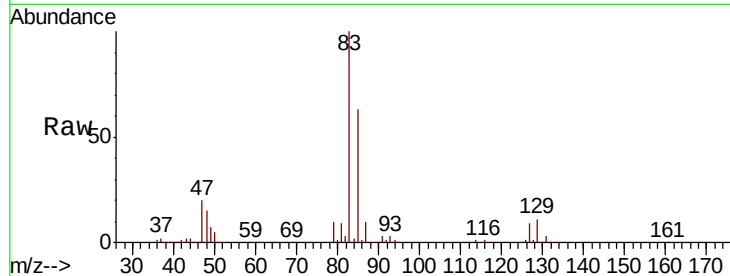
Tot Ion: 83 Resp: 1026907

Ion Ratio Lower Upper

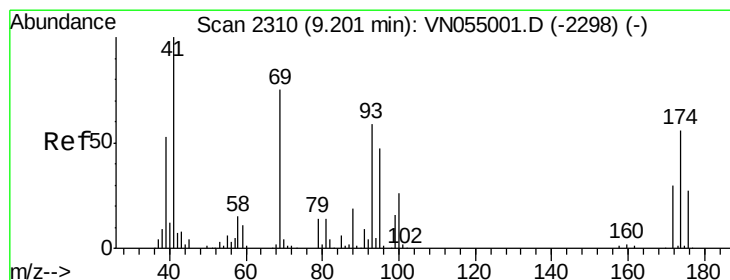
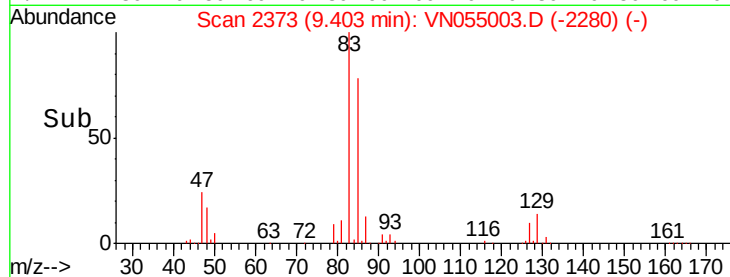
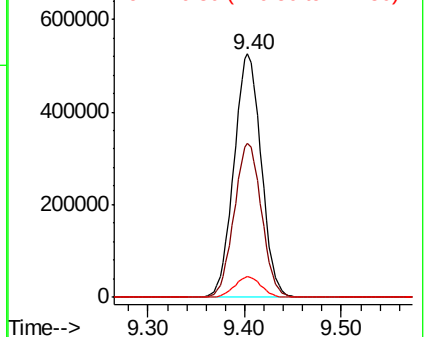
83 100

85 63.5 51.2 76.8

127 8.5 6.8 10.2



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 173.035 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

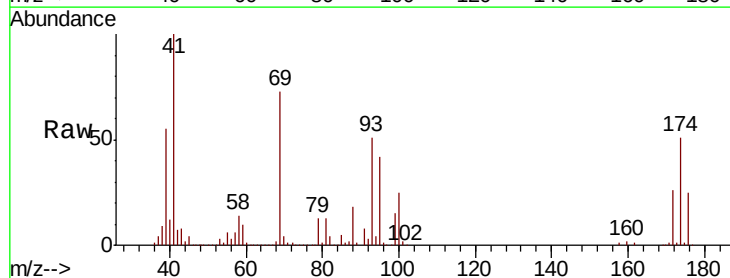
Tgt Ion: 41 Resp: 725996

Ion Ratio Lower Upper

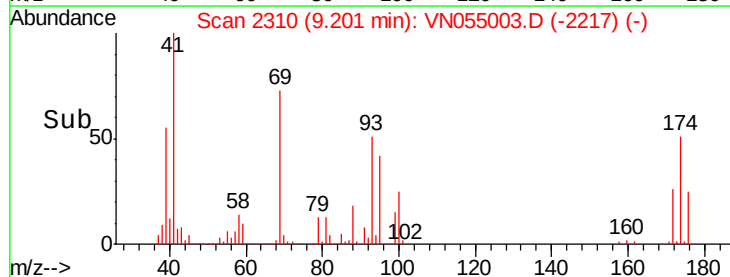
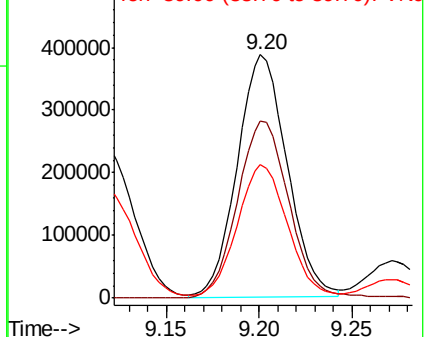
41 100

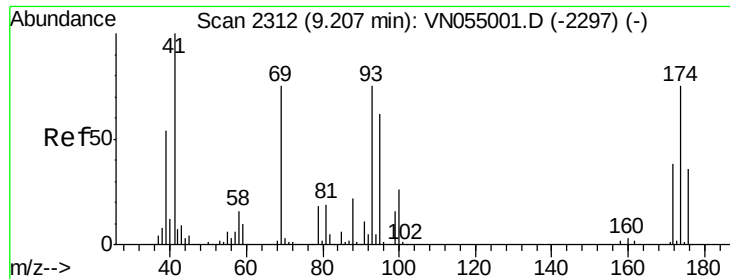
69 75.9 60.5 90.7

39 55.3 43.9 65.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 3578.770 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

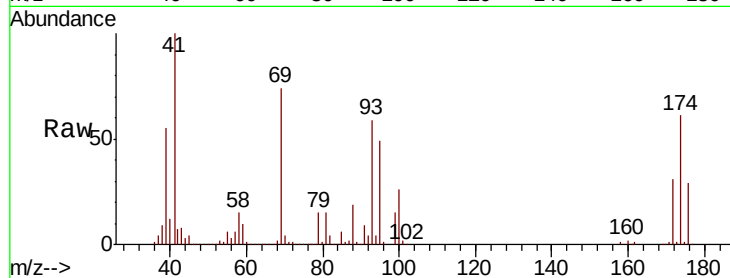
Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 154557

Ion	Ratio	Lower	Upper
88	100		
43	40.1	31.8	47.8
58	73.9	61.6	92.4

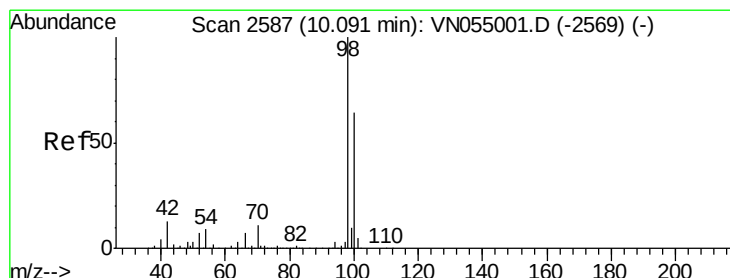
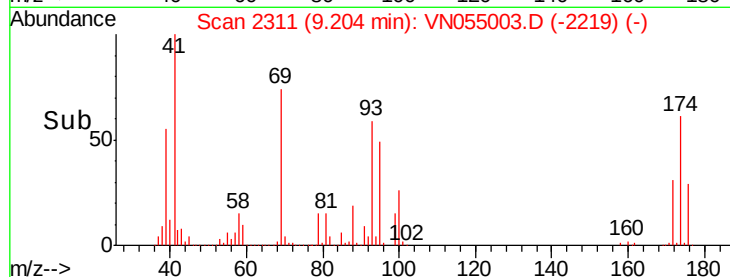
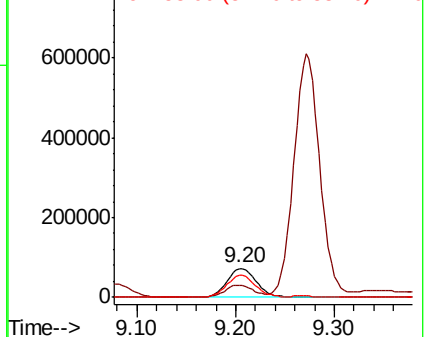


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 121.365 ug/l

RT: 10.09 min Scan# 2587

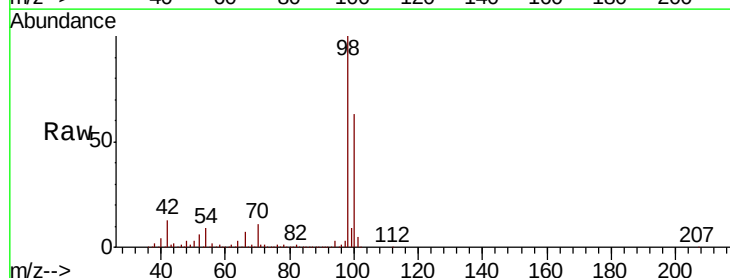
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion: 98 Resp: 2156474

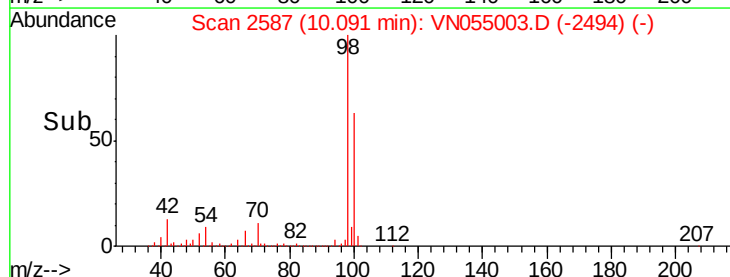
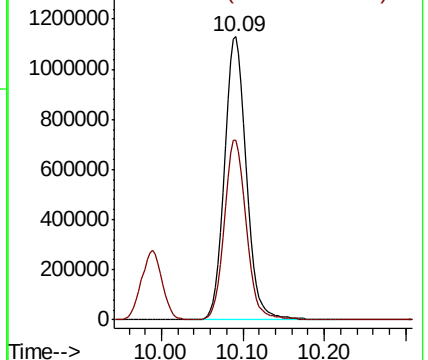
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7

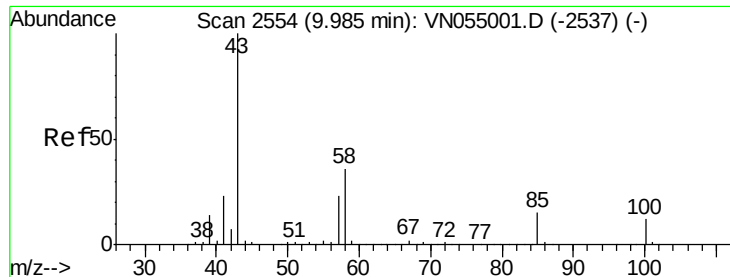


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 870.444 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

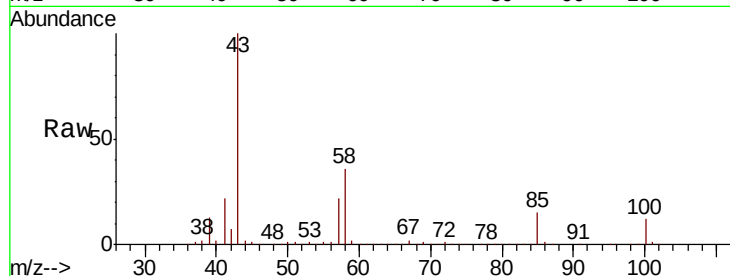
ClientSampled :

Tot Ion: 43 Resp: 4074733

Ion Ratio Lower Upper

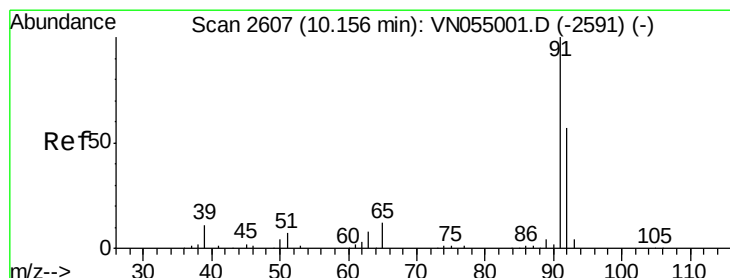
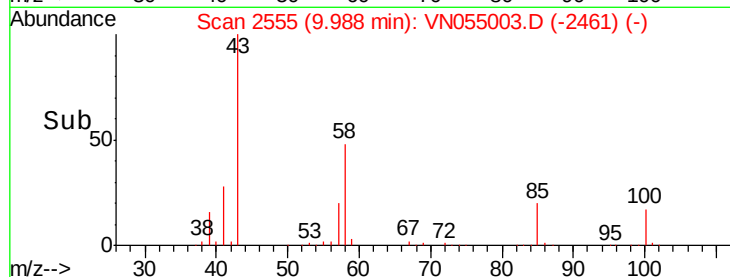
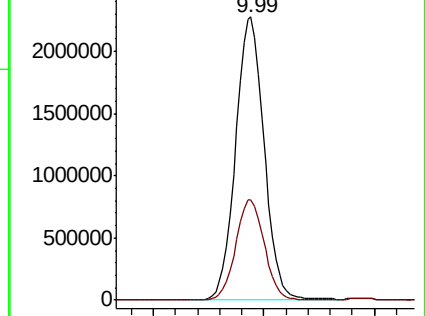
43 100

58 35.7 29.0 43.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 149.361 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055003.D

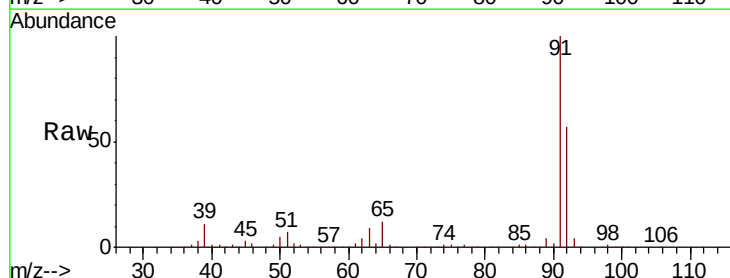
Acq: 12 Apr 2019 16:58

Tgt Ion: 92 Resp: 1794993

Ion Ratio Lower Upper

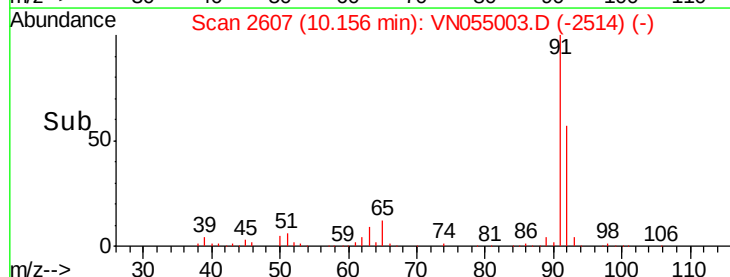
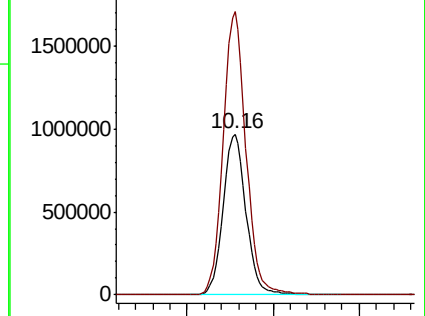
92 100

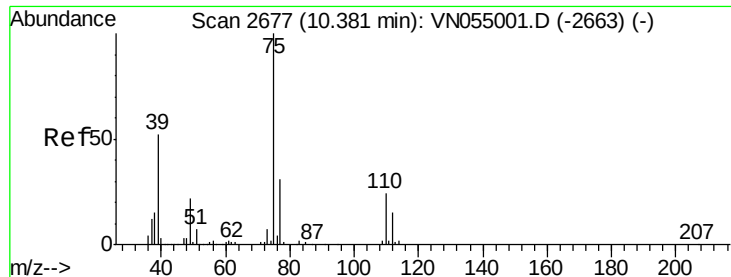
91 175.7 140.8 211.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 172.155 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

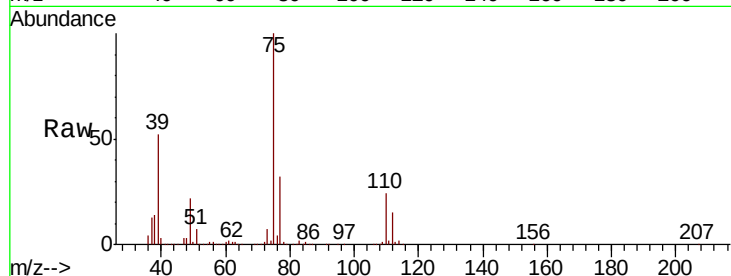
ClientSampleId :

Tot Ion: 75 Resp: 1071621

Ion Ratio Lower Upper

75 100

77 31.5 24.6 37.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

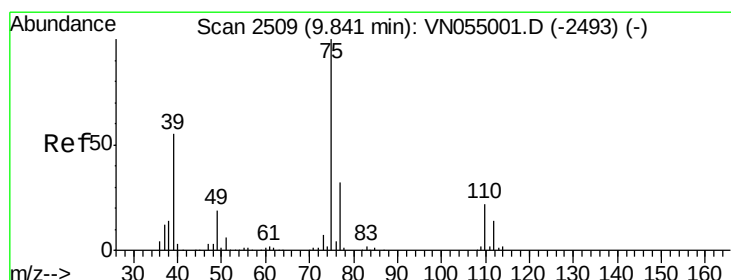
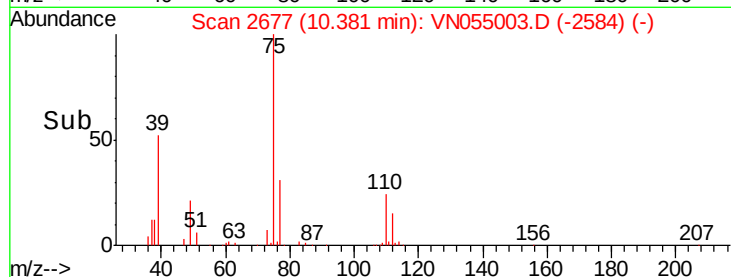
600000

400000

200000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 162.417 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

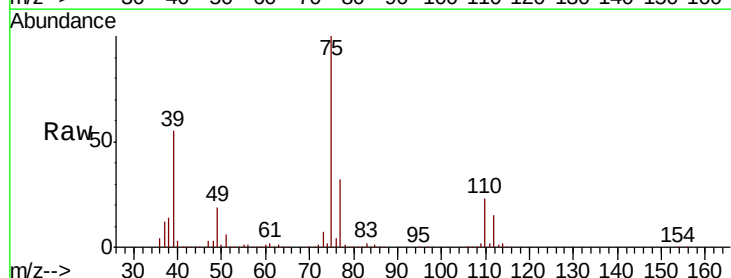
Tgt Ion: 75 Resp: 1237134

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6

39 55.2 43.8 65.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

800000

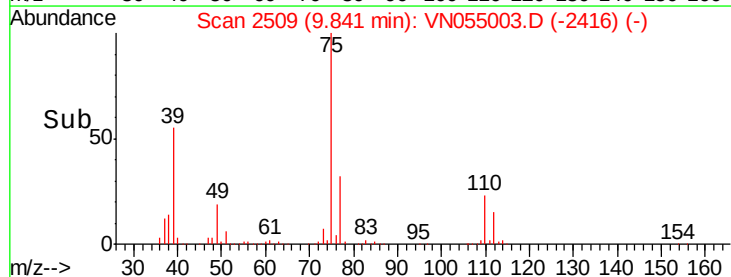
600000

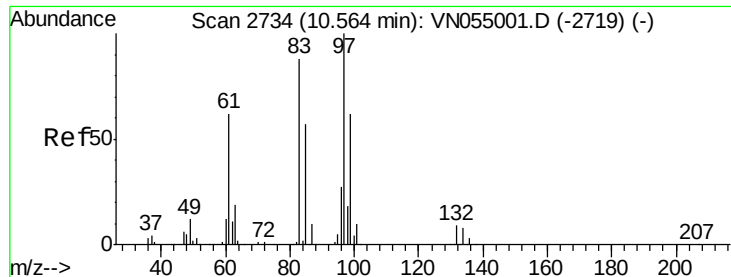
400000

200000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 152.210 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 669645

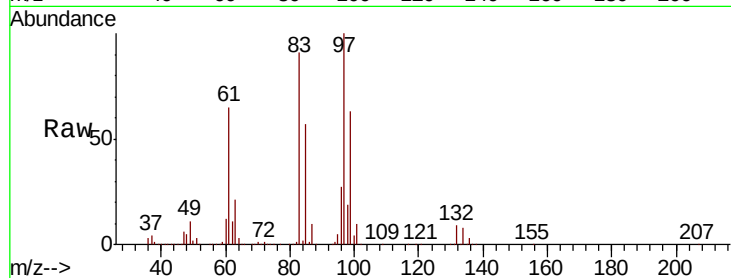
Ion Ratio Lower Upper

97 100

83 91.0 70.5 105.7

85 57.4 45.5 68.3

99 63.1 49.4 74.0



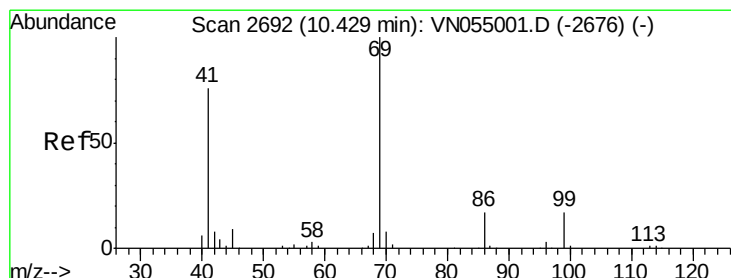
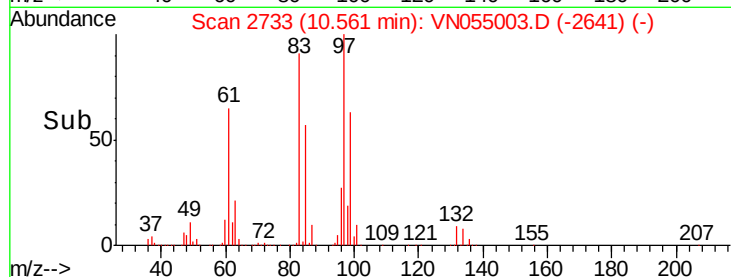
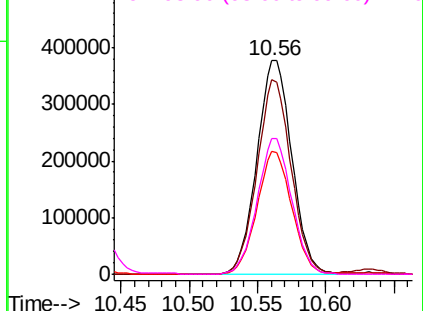
Abundance

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: 173.406 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

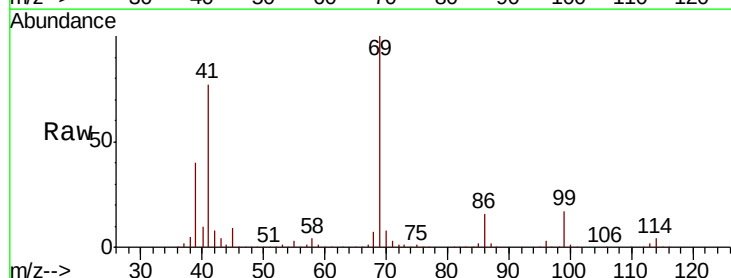
Tgt Ion: 69 Resp: 993553

Ion Ratio Lower Upper

69 100

41 74.5 61.4 92.0

39 38.8 30.8 46.2

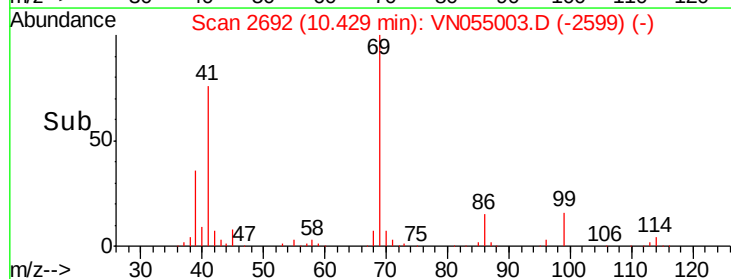
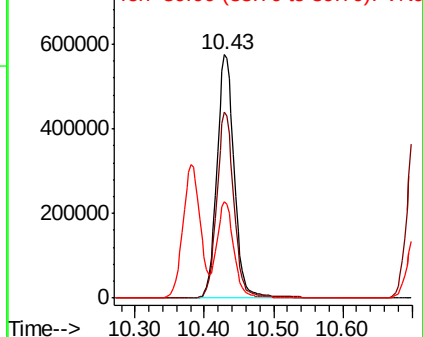


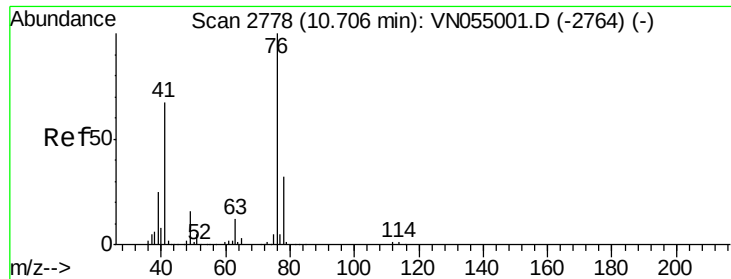
Abundance

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

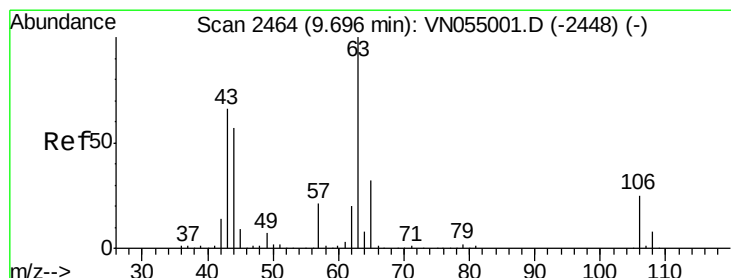
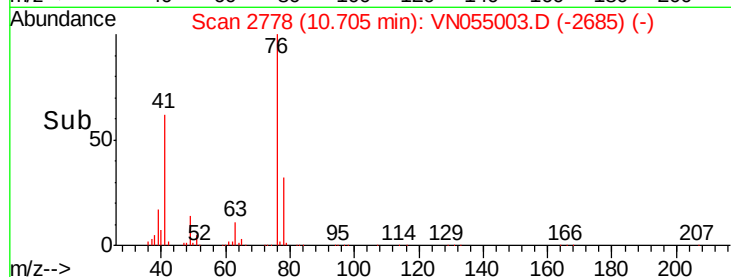
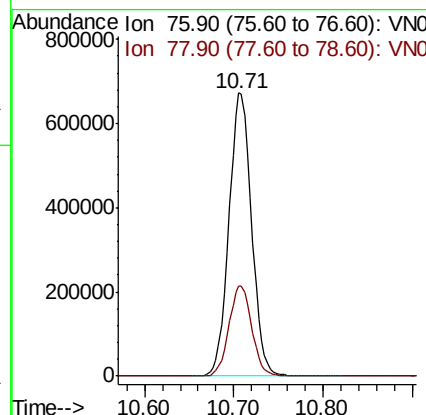
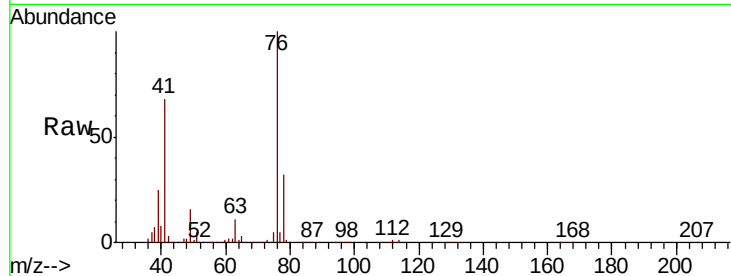




#57
 1,3-Dichloropropane
 Concen: 153.800 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

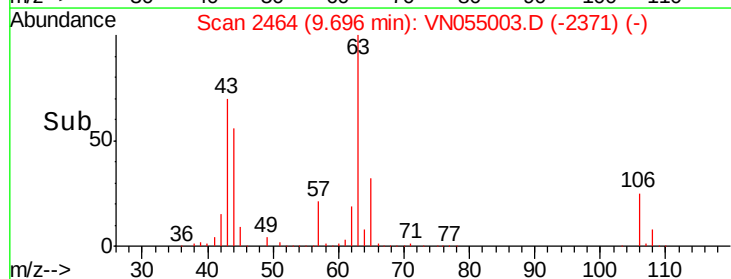
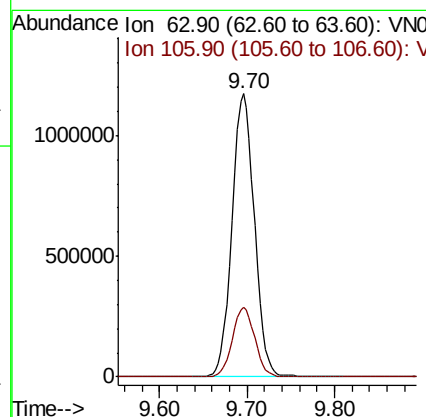
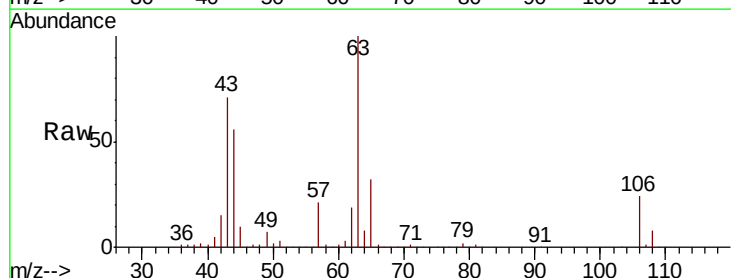
Instrument :
 MSVOA_N
 ClientSampleId :

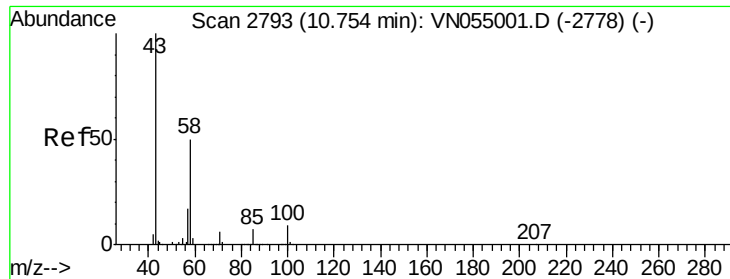
Tot Ion: 76 Resp: 1180872
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.6 38.4



#58
 2-Chloroethyl Vinyl ether
 Concen: 926.548 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 63 Resp: 2086486
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.0 30.0

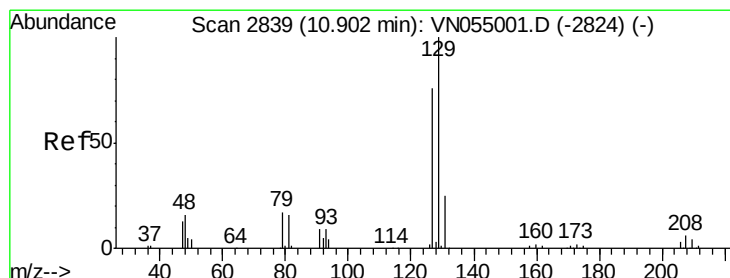
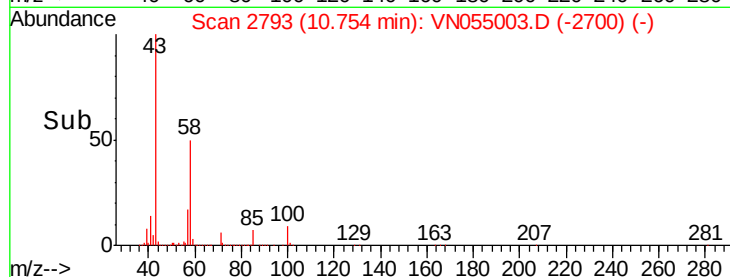
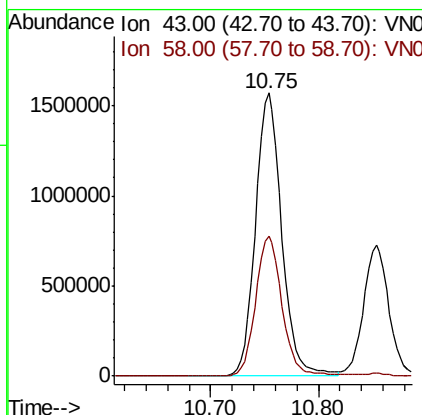
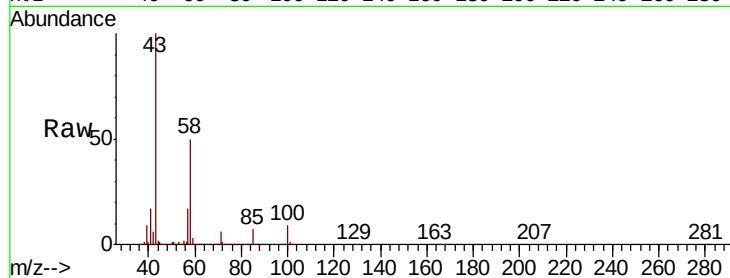




#59
2-Hexanone
Concen: 907.475 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

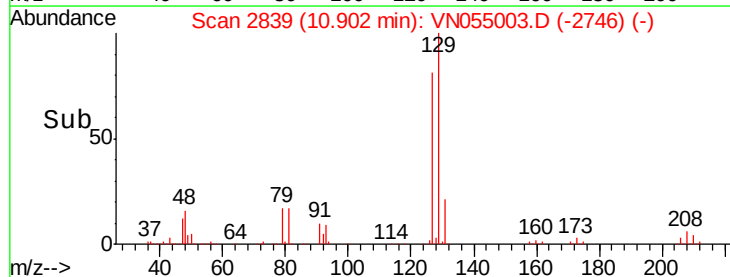
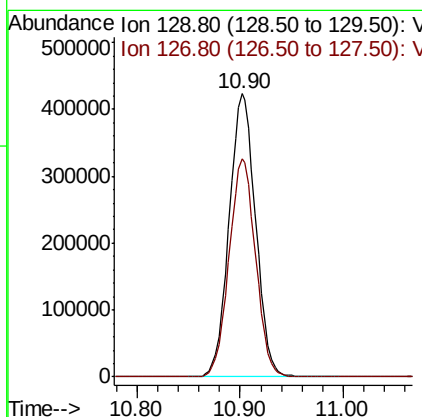
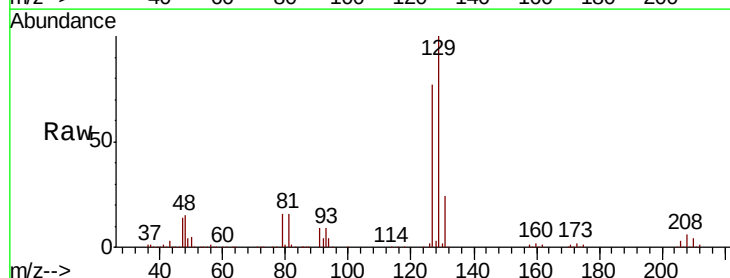
Instrument :
MSVOA_N
ClientSampleId :

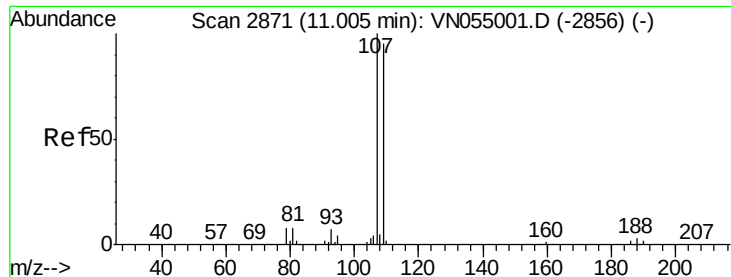
Tot Ion: 43 Resp: 2642082
Ion Ratio Lower Upper
43 100
58 49.8 25.1 75.2



#60
Dibromochloromethane
Concen: 165.225 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 129 Resp: 756253
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6

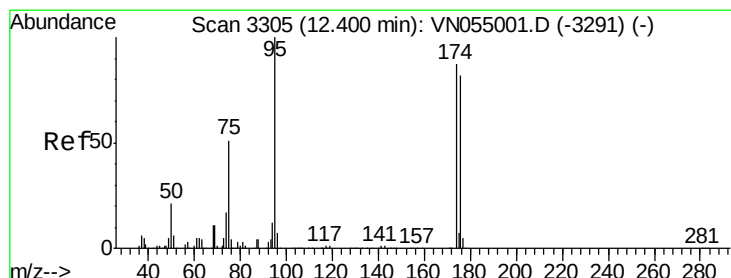
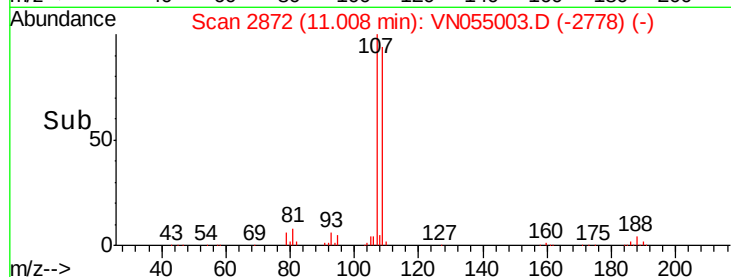
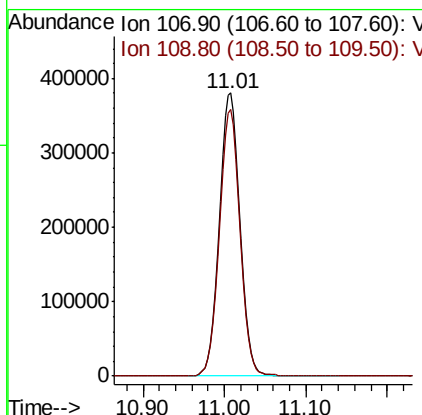
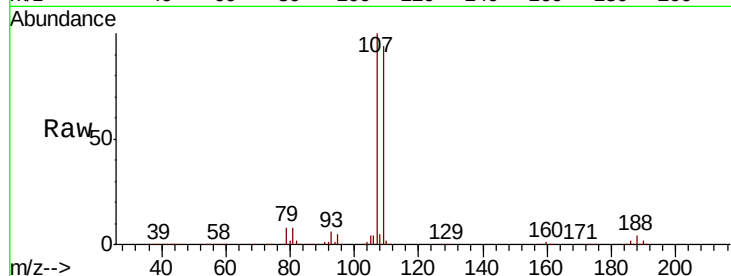




#61
 1,2-Dibromoethane
 Concen: 165.648 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

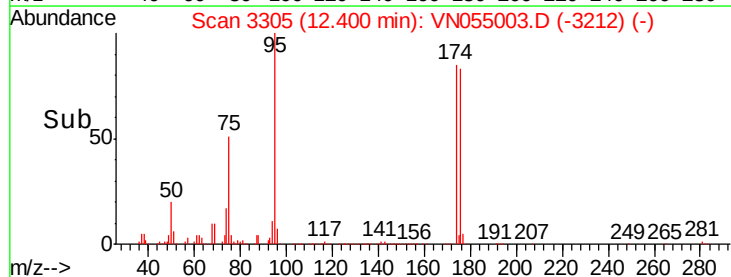
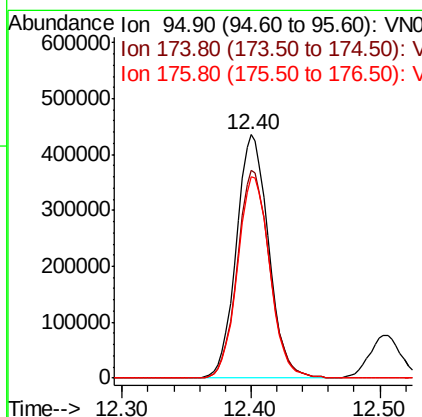
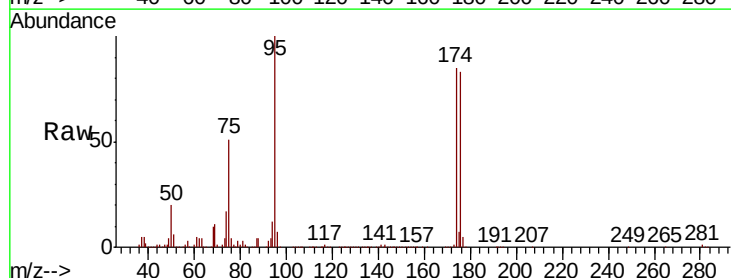
Instrument :
 MSVOA_N
 ClientSampleId :

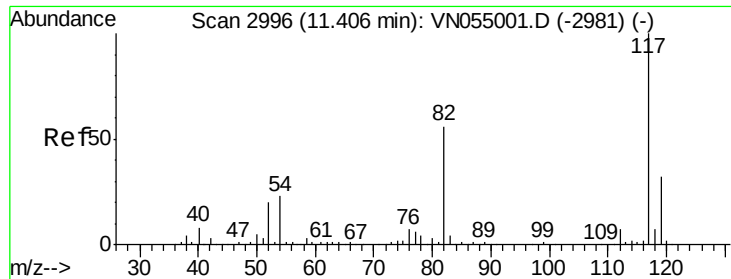
Tot Ion:107 Resp: 683316
 Ion Ratio Lower Upper
 107 100
 109 94.2 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 128.194 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 95 Resp: 758068
 Ion Ratio Lower Upper
 95 100
 174 85.7 0.0 174.4
 176 83.1 0.0 166.8

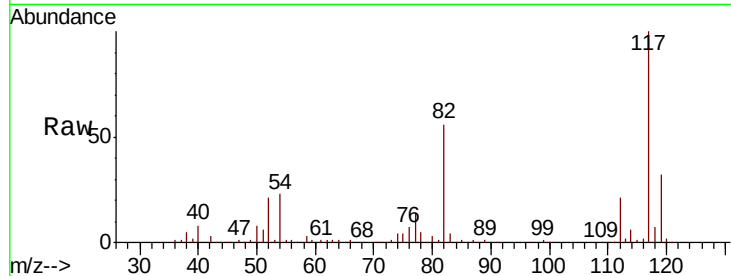




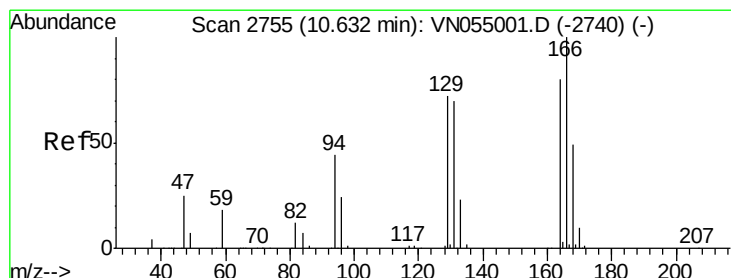
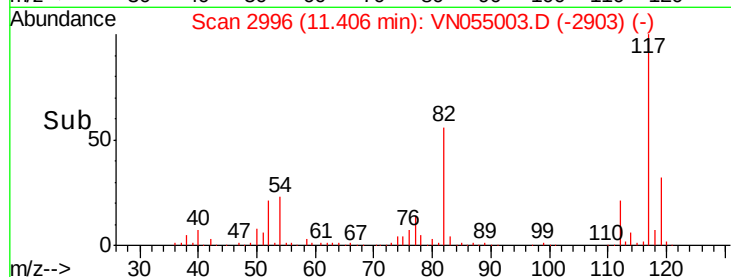
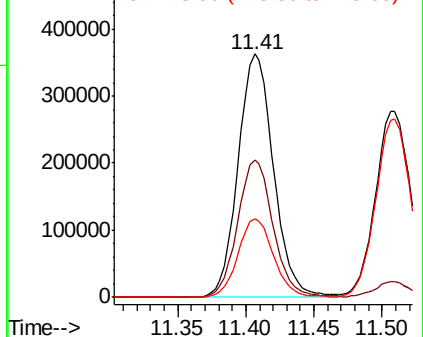
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 655565
Ion Ratio Lower Upper
117 100
82 56.4 44.6 66.8
119 32.1 25.5 38.3

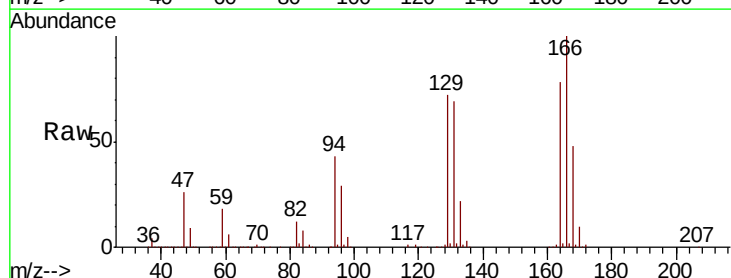


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

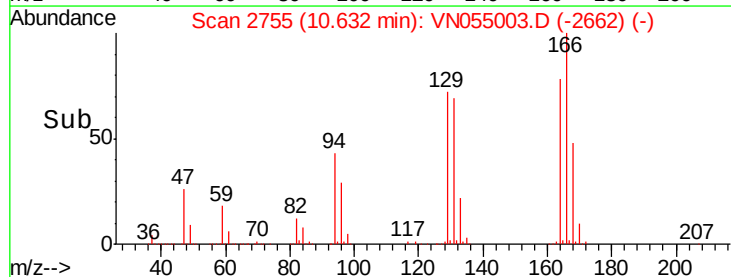
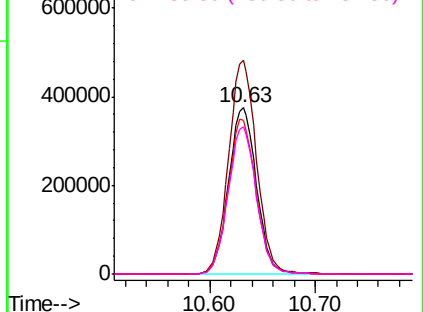


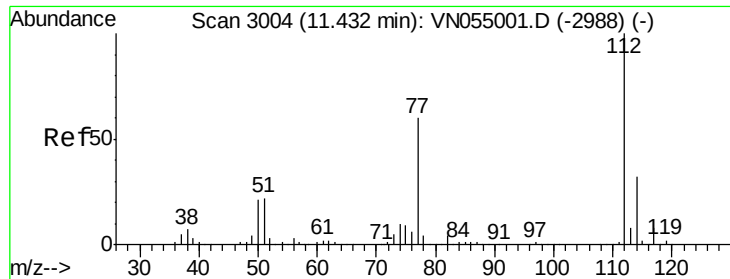
#64
Tetrachloroethene
Concen: 130.876 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion:164 Resp: 687002
Ion Ratio Lower Upper
164 100
166 128.4 100.0 150.0
129 92.7 72.0 108.0
131 88.3 69.7 104.5



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

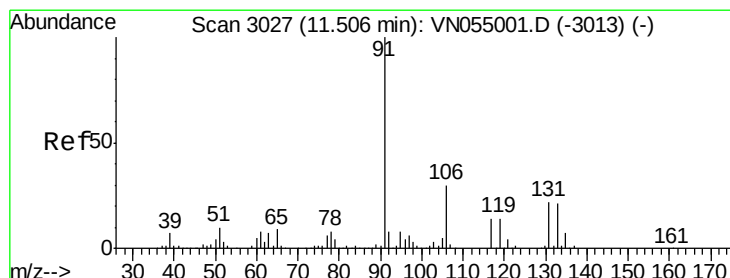
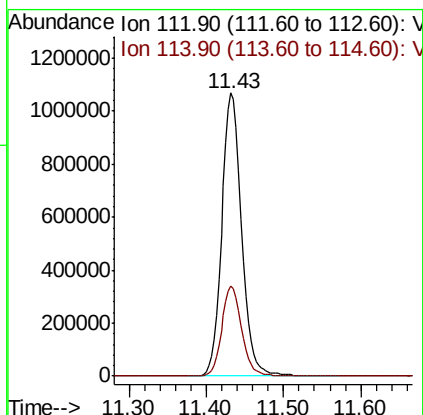
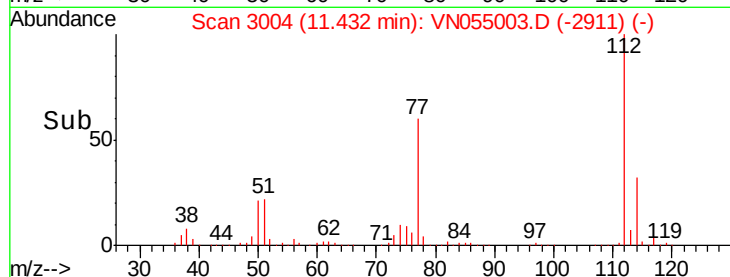
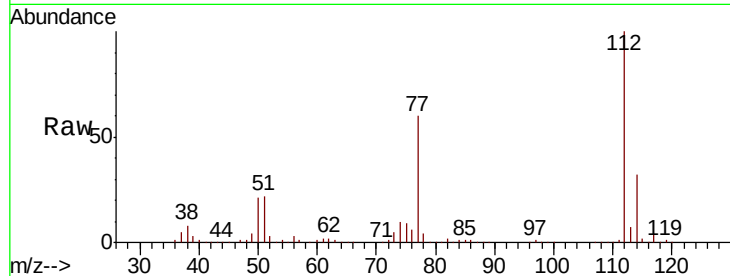




#65
Chlorobenzene
Concen: 144.645 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

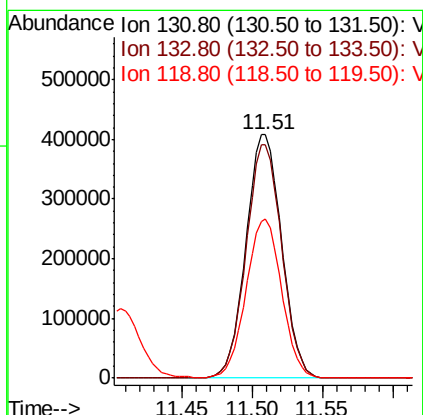
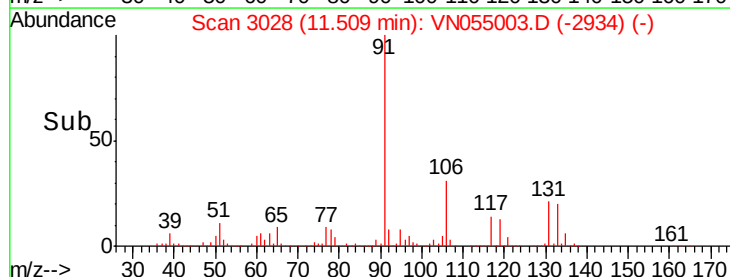
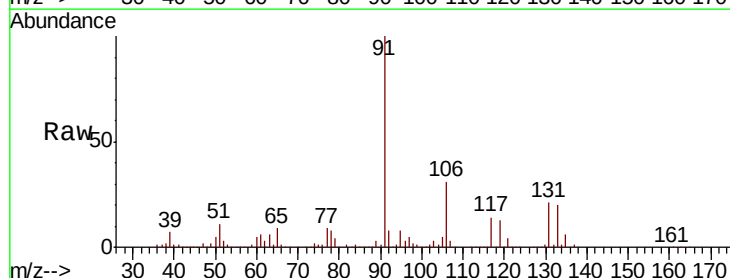
Instrument :
MSVOA_N
ClientSampled :

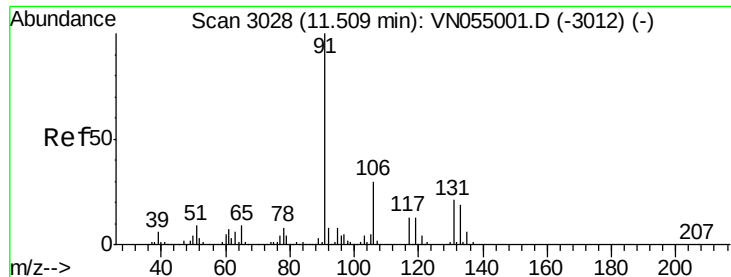
Tot Ion:112 Resp: 1909526
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 149.487 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion:131 Resp: 722660
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.3
119 65.0 33.6 100.6

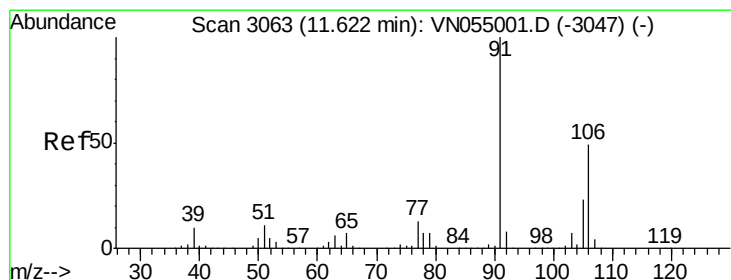
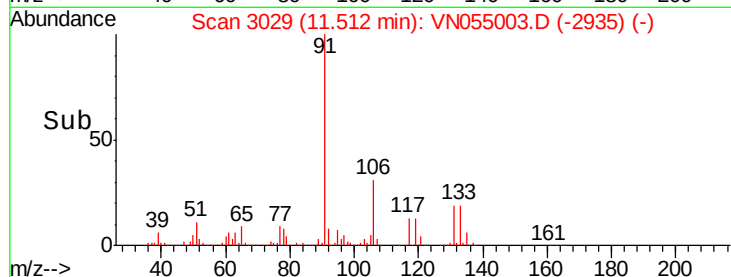
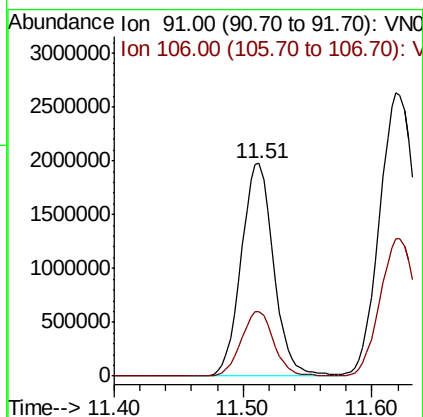
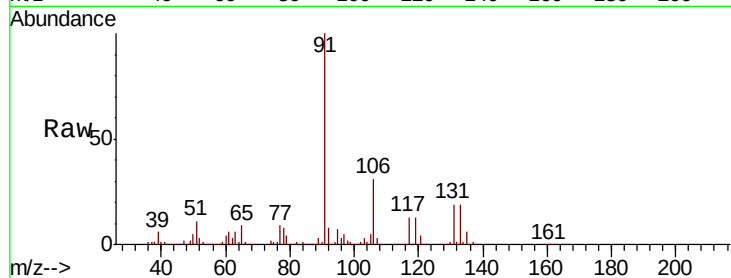




#67
Ethyl Benzene
Concen: 145.853 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

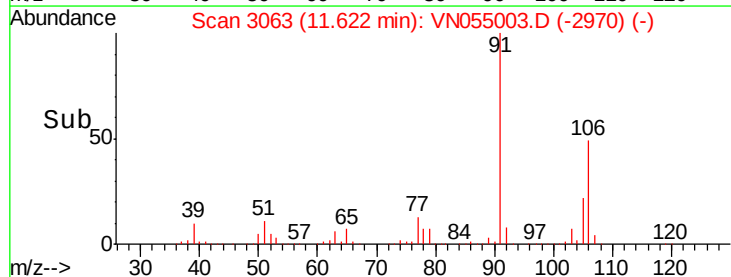
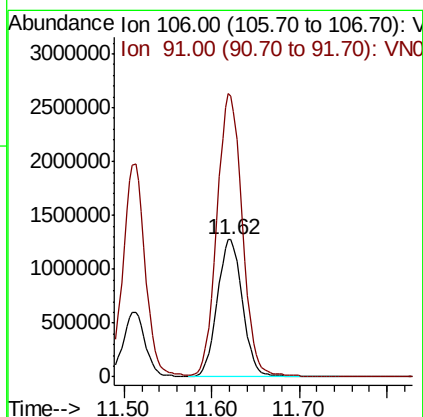
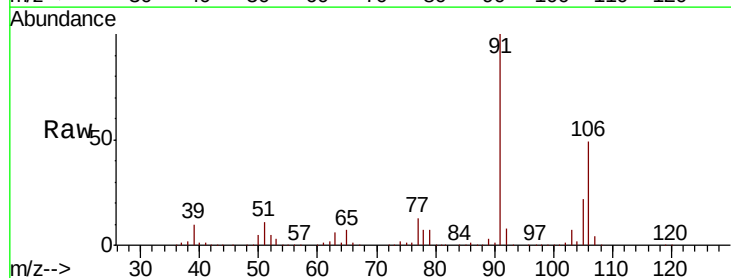
Instrument :
MSVOA_N
ClientSampled :

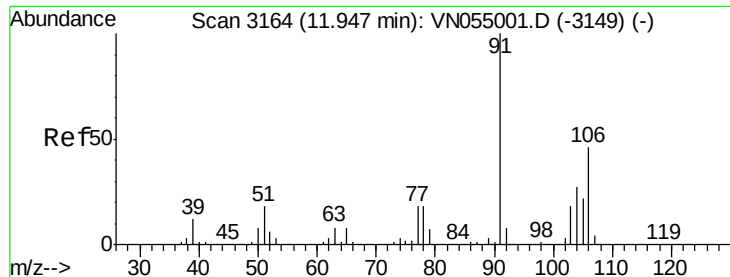
Tot Ion: 91 Resp: 3469682
Ion Ratio Lower Upper
91 100
106 30.6 24.3 36.5



#68
m/p-Xylenes
Concen: 294.885 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion: 106 Resp: 2566905
Ion Ratio Lower Upper
106 100
91 206.8 165.9 248.9

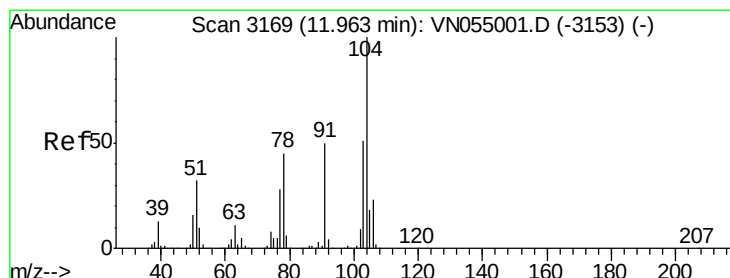
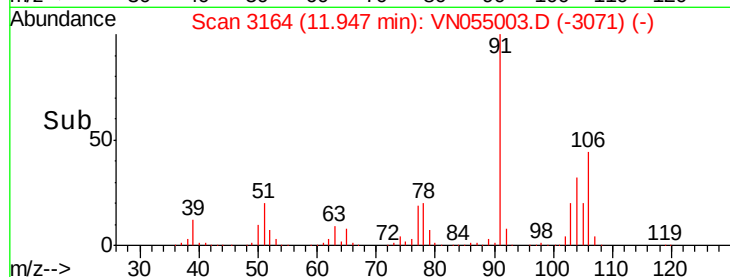
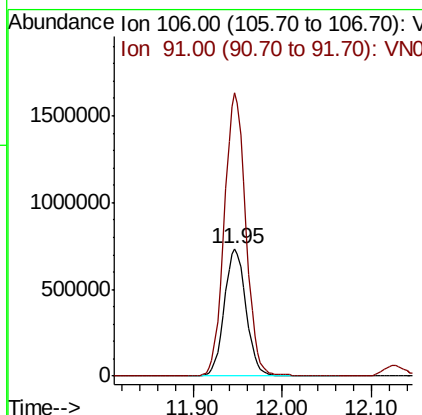
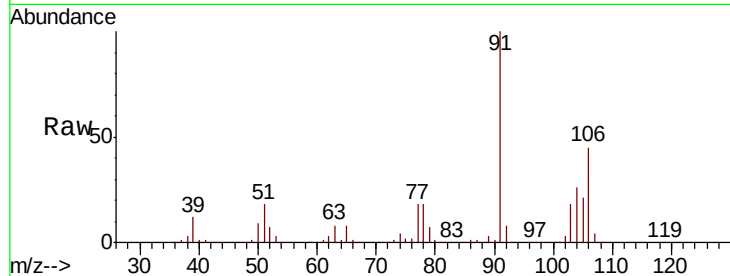




#69
o-Xylene
Concen: 146.499 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

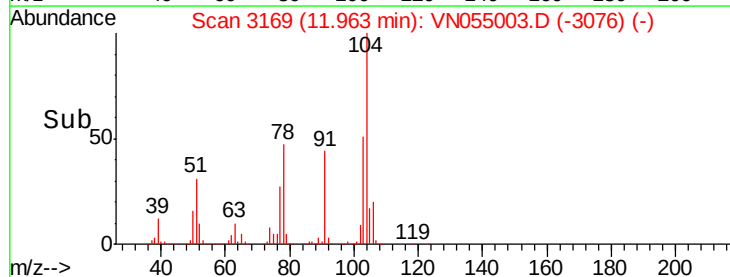
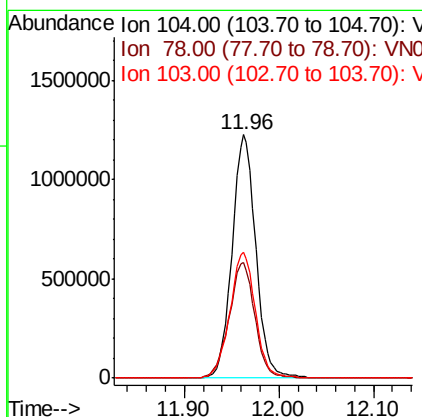
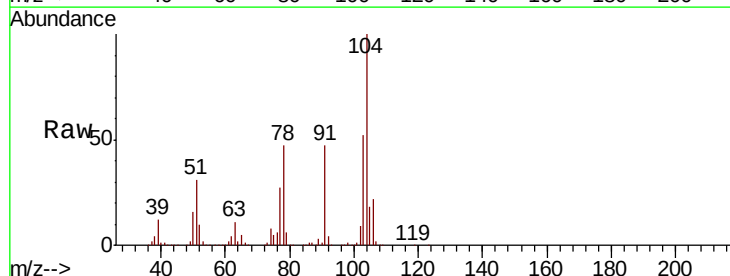
Instrument :
MSVOA_N
ClientSampled :

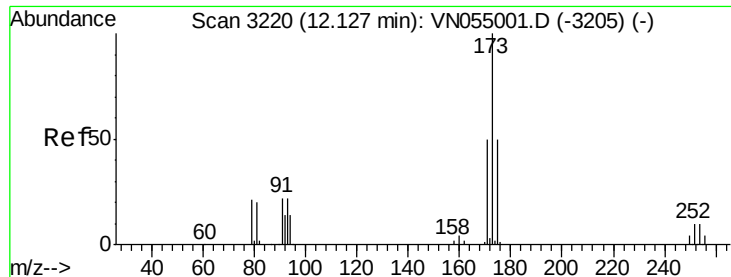
Tot Ion:106 Resp: 1241806
Ion Ratio Lower Upper
106 100
91 219.4 109.9 329.8



#70
Styrene
Concen: 156.797 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN055003.D
Acq: 12 Apr 2019 16:58

Tgt Ion:104 Resp: 2134837
Ion Ratio Lower Upper
104 100
78 51.5 40.3 60.5
103 55.5 44.3 66.5





#71

Bromoform

Concen: 171.869 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

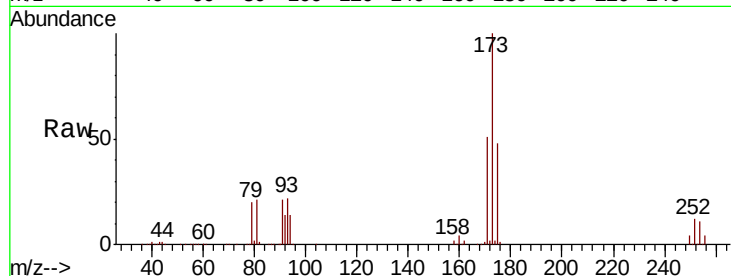
Tot Ion:173 Resp: 502901

Ion Ratio Lower Upper

173 100

175 48.4 24.3 73.0

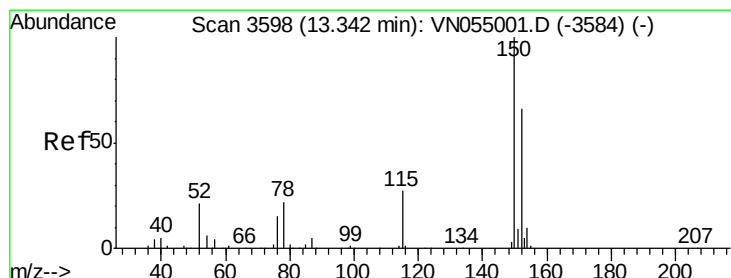
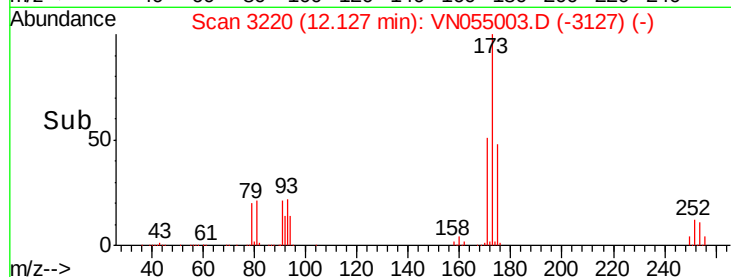
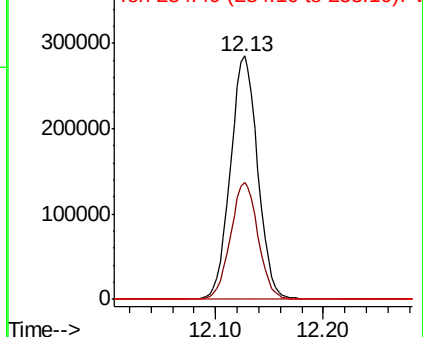
254 0.1 0.1 0.1



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: VN055003.D

Acq: 12 Apr 2019 16:58

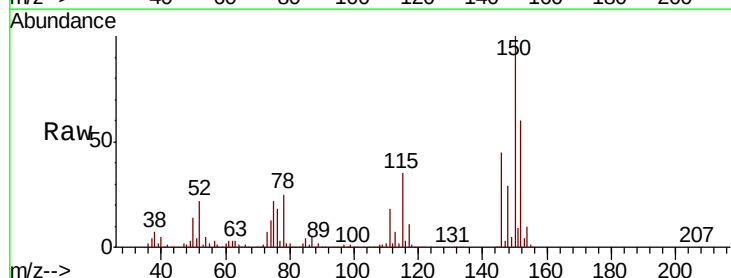
Tgt Ion:152 Resp: 294216

Ion Ratio Lower Upper

152 100

115 56.9 28.5 85.6

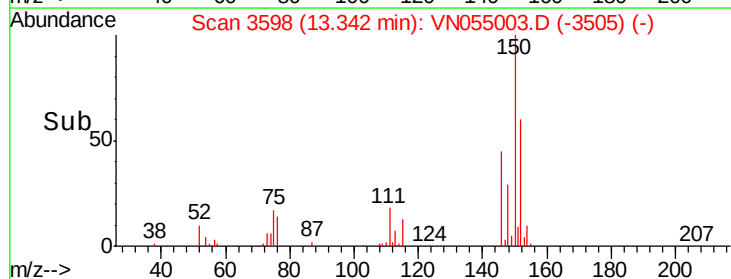
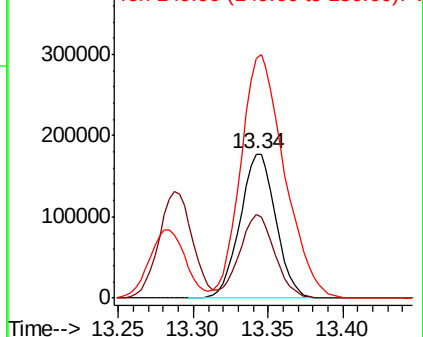
150 206.8 0.0 347.2

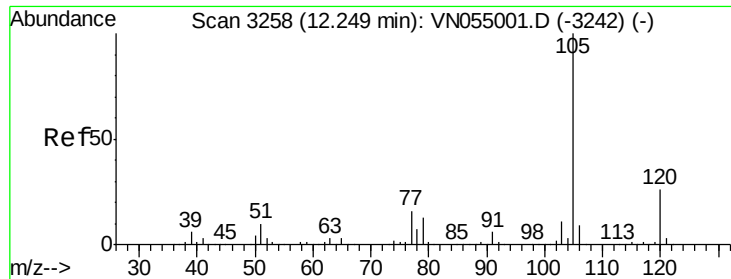


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 134.412 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

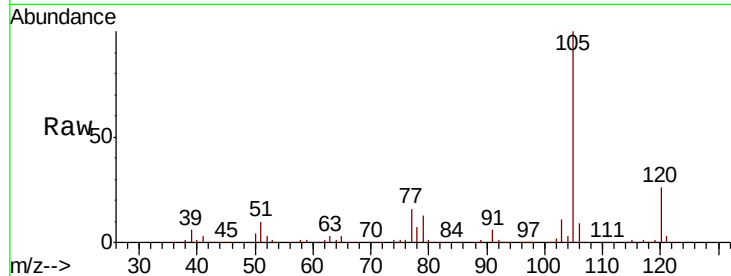
ClientSampleId :

Tot Ion:105 Resp: 3318066

Ion Ratio Lower Upper

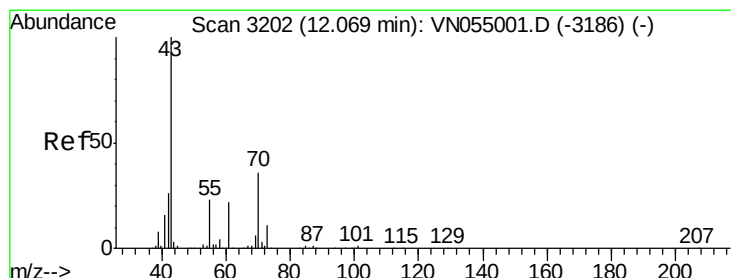
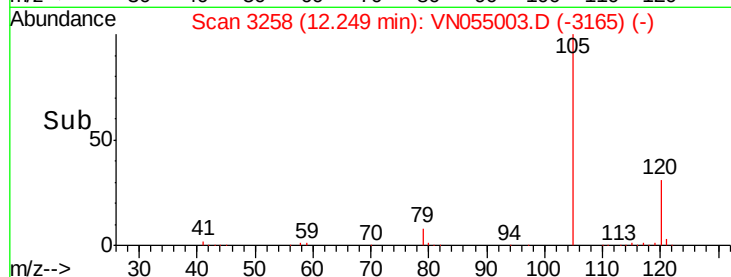
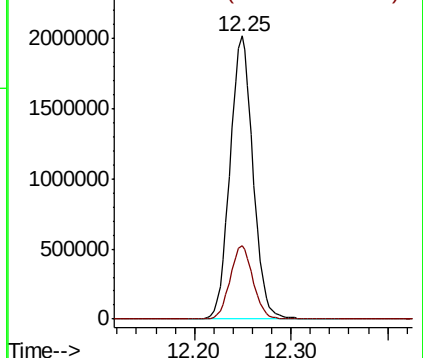
105 100

120 26.0 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 169.230 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion: 43 Resp: 1169857

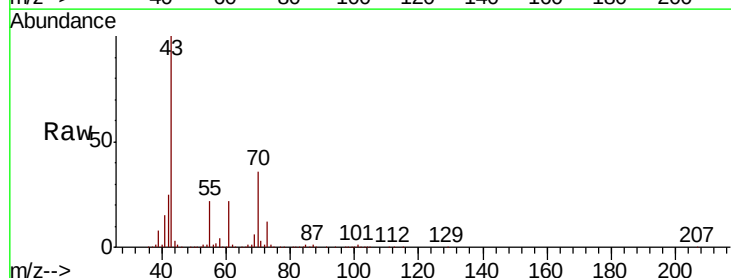
Ion Ratio Lower Upper

43 100

70 36.1 29.4 44.0

55 22.7 19.0 28.4

61 21.9 17.7 26.5

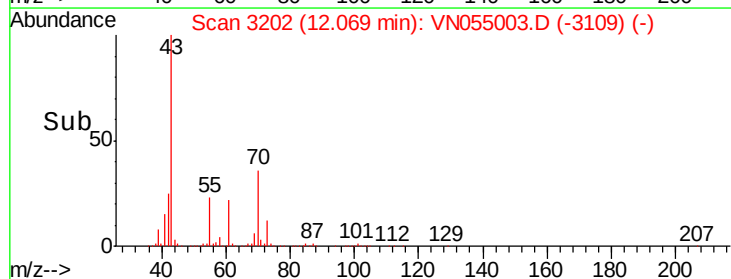
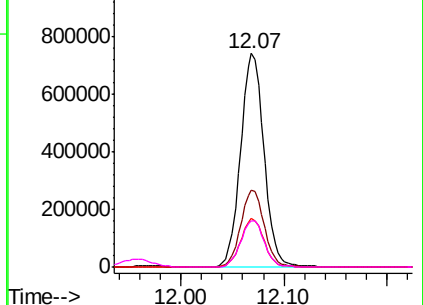


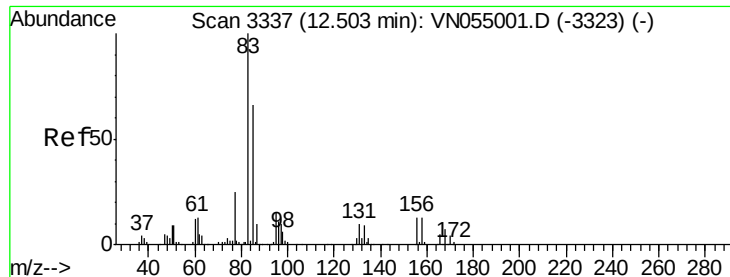
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 137.902 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

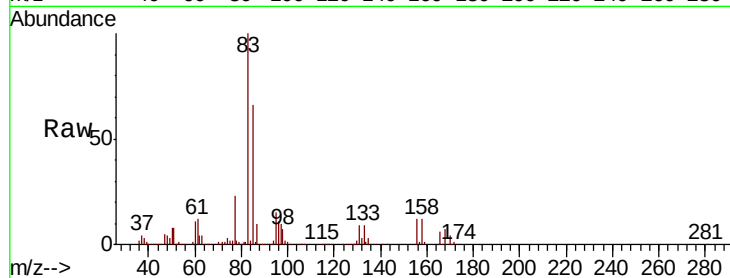
Tot Ion: 83 Resp: 848610

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	15.0
85	65.2	32.3	96.9

83 100

131 10.0 5.0 15.0

85 65.2 32.3 96.9

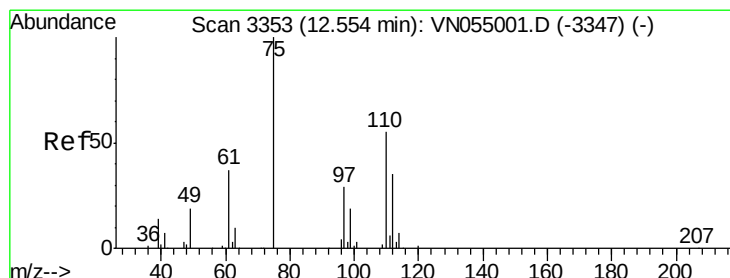
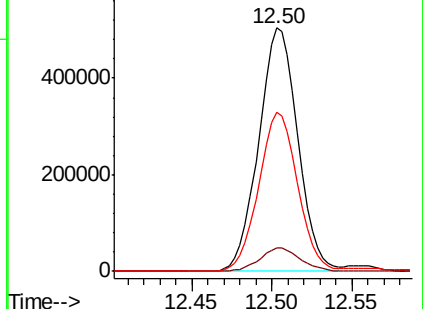
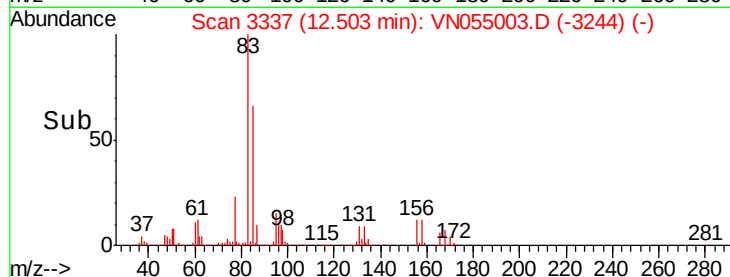


Abundance Ion 82.90 (82.60 to 83.60): VN055003.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055003.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055003.D (-3323) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 197.744 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN055003.D

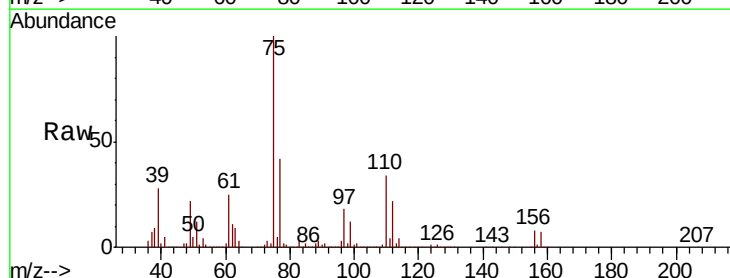
Acq: 12 Apr 2019 16:58

Tgt Ion: 75 Resp: 1050768

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

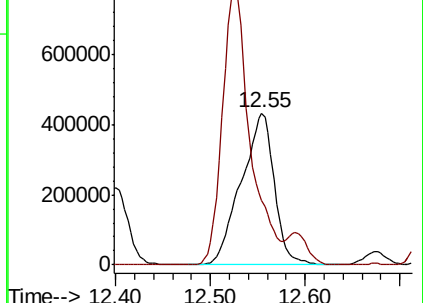
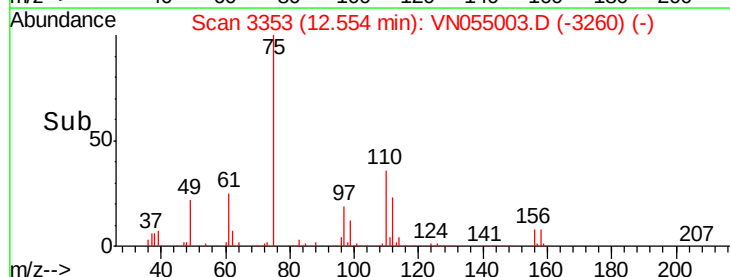
77 0.0 0.0 0.0

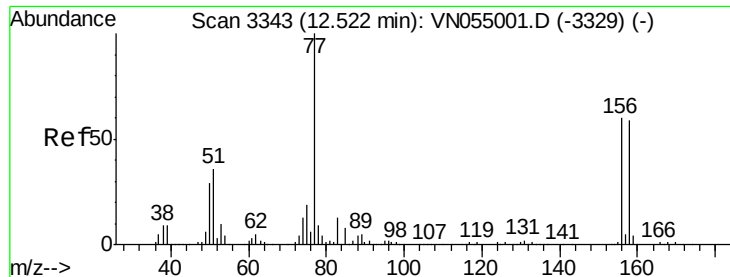


Abundance Ion 74.90 (74.60 to 75.60): VN055003.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN055003.D (-3353) (-)

Time-->





#77

Bromobenzene

Concen: 139.125 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampled :

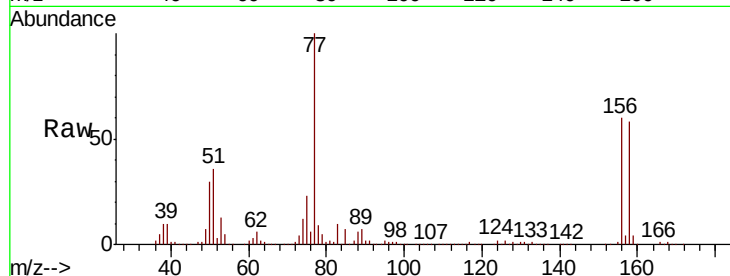
Tot Ion:156 Resp: 832813

Ion Ratio Lower Upper

156 100

77 195.2 97.2 291.5

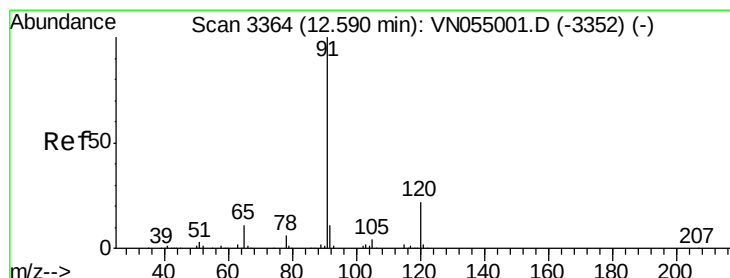
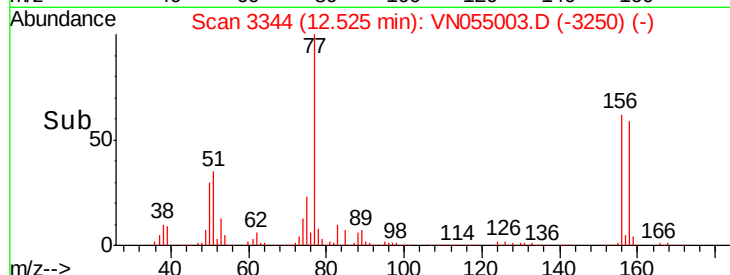
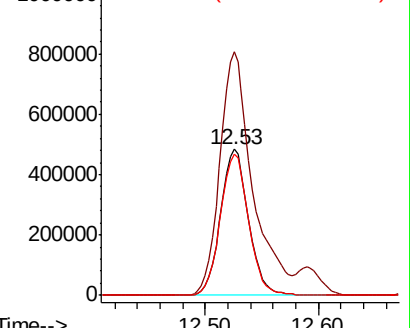
158 97.8 48.6 145.9



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: 137.494 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN055003.D

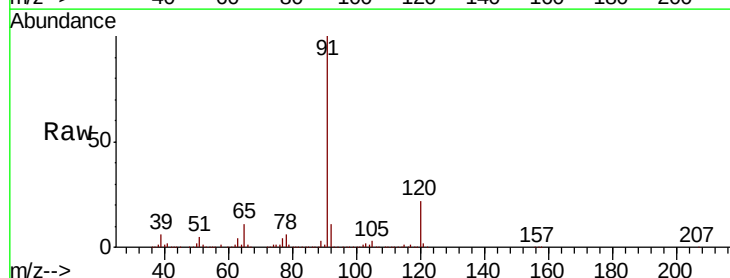
Acq: 12 Apr 2019 16:58

Tgt Ion: 91 Resp: 3740681

Ion Ratio Lower Upper

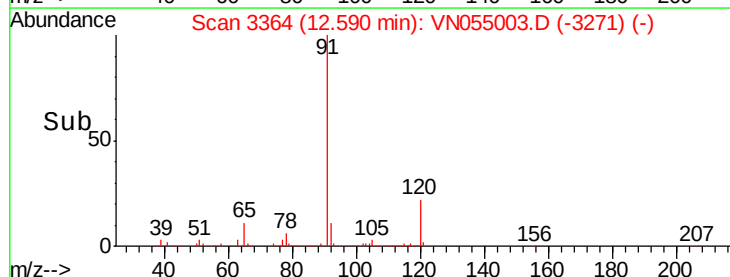
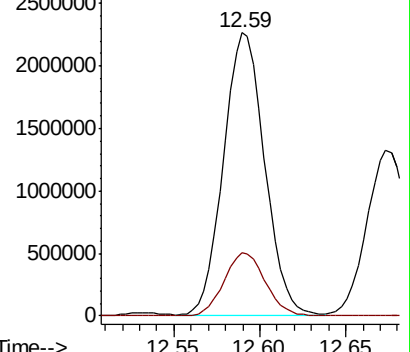
91 100

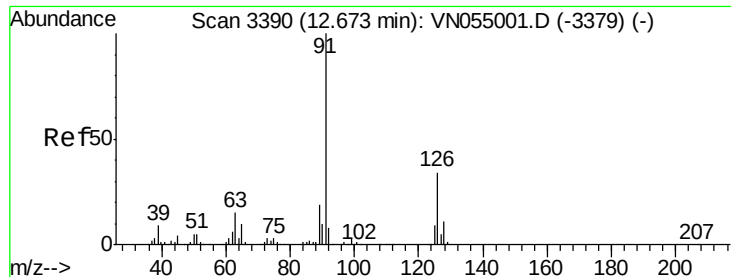
120 22.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 132.825 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

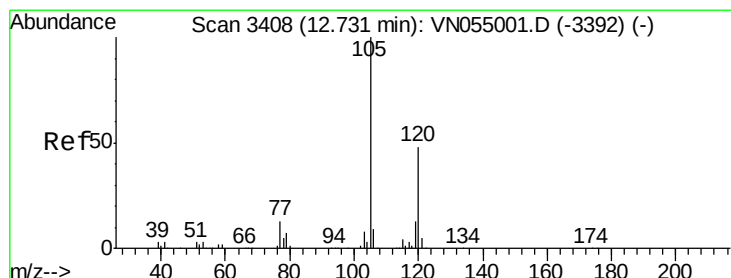
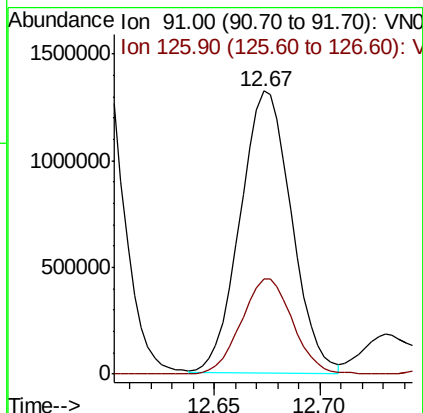
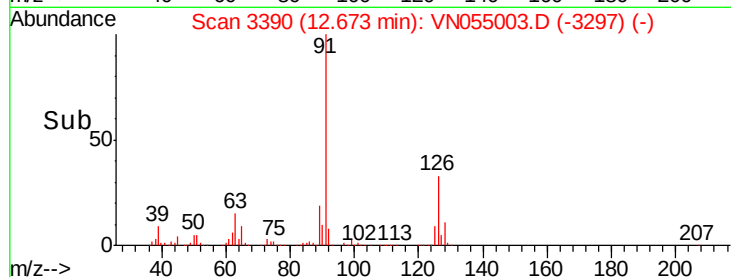
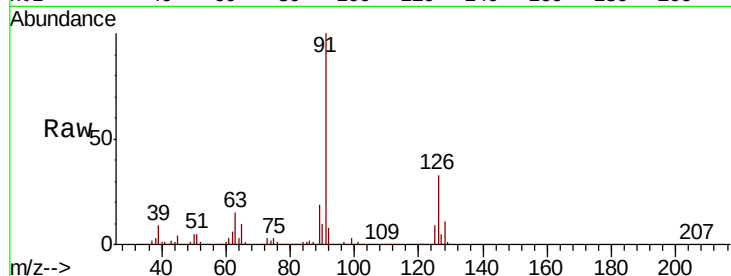
ClientSampled :

Tot Ion: 91 Resp: 2239582

Ion Ratio Lower Upper

91 100

126 33.9 17.1 51.2



#80

1,3,5-Trimethylbenzene

Concen: 135.111 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN055003.D

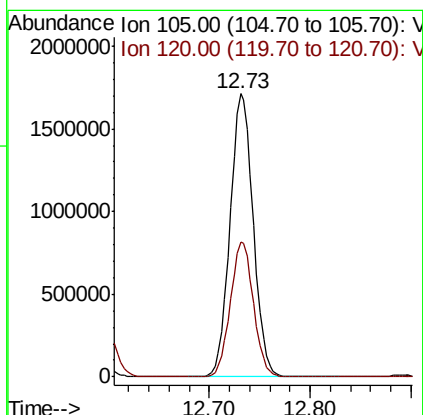
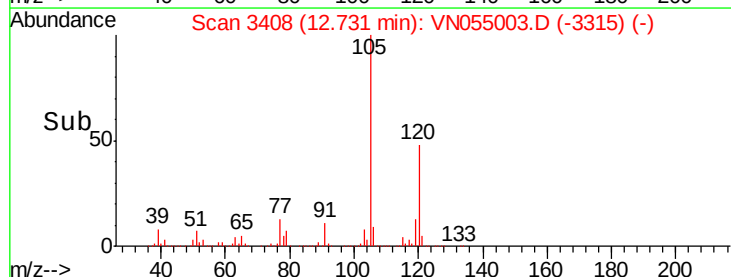
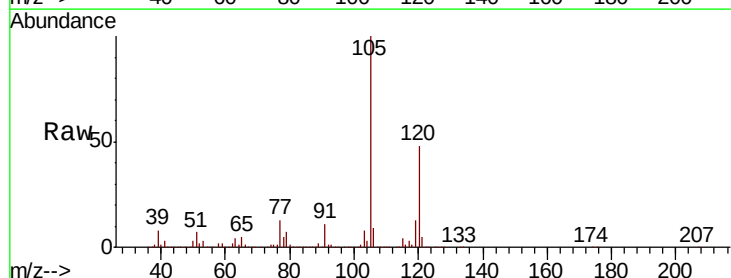
Acq: 12 Apr 2019 16:58

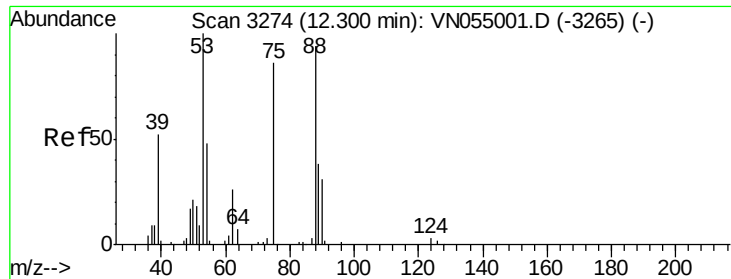
Tgt Ion:105 Resp: 2737303

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 186.586 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

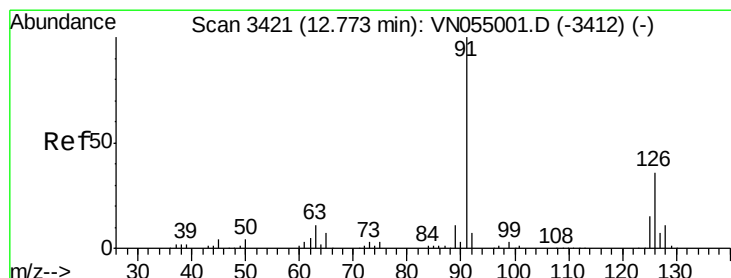
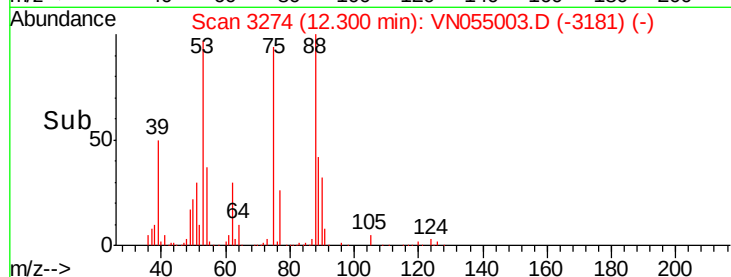
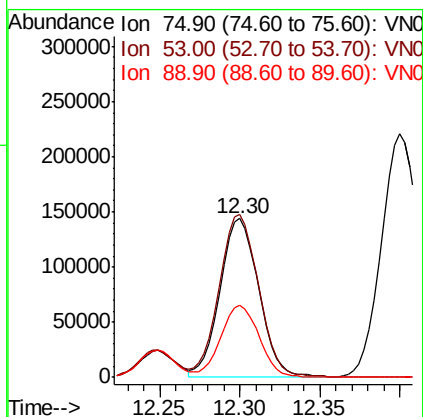
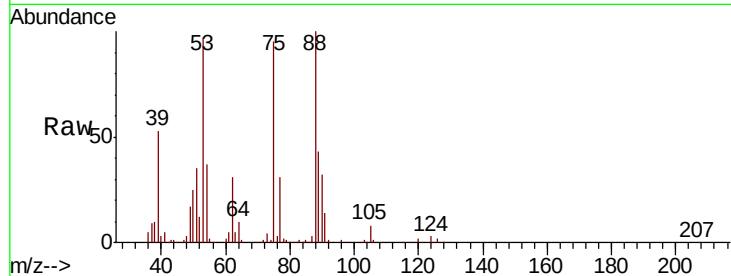
Tot Ion: 75 Resp: 236562

Ion Ratio Lower Upper

75 100

53 105.7 96.3 144.5

89 45.4 38.6 57.8



#82

4-Chlorotoluene

Concen: 142.911 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN055003.D

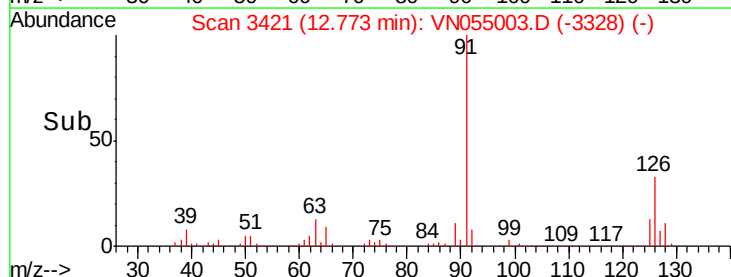
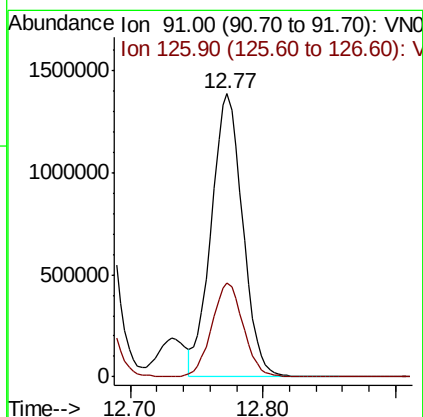
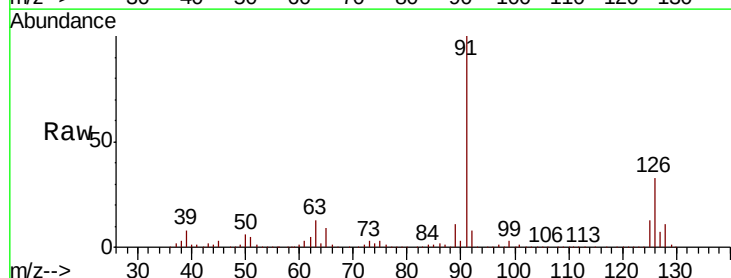
Acq: 12 Apr 2019 16:58

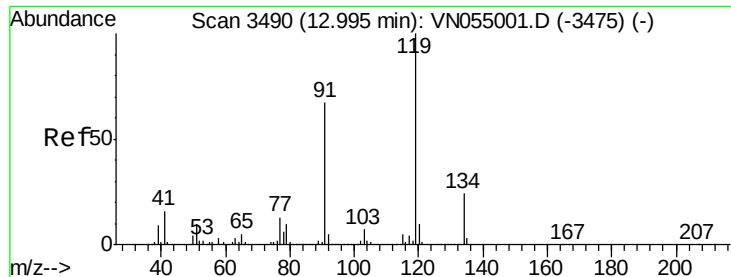
Tgt Ion: 91 Resp: 2278873

Ion Ratio Lower Upper

91 100

126 33.1 16.4 49.2

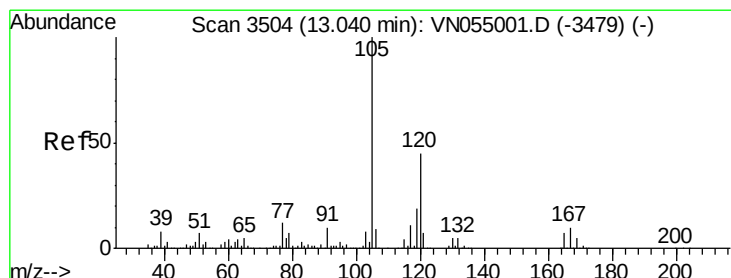
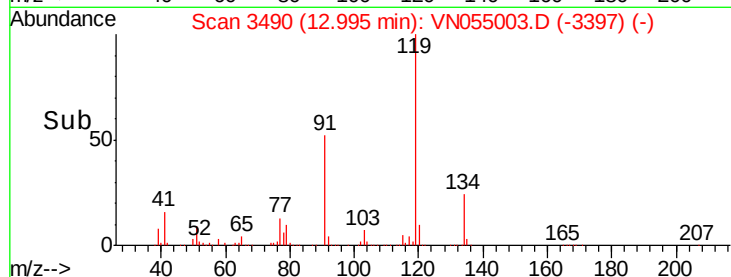
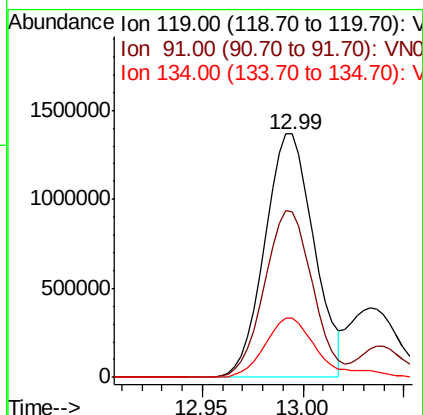
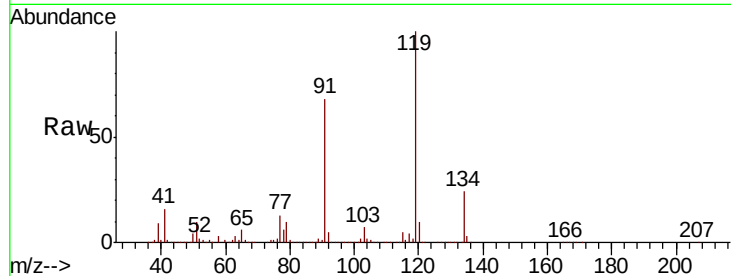




#83
 tert-Butylbenzene
 Concen: 133.625 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

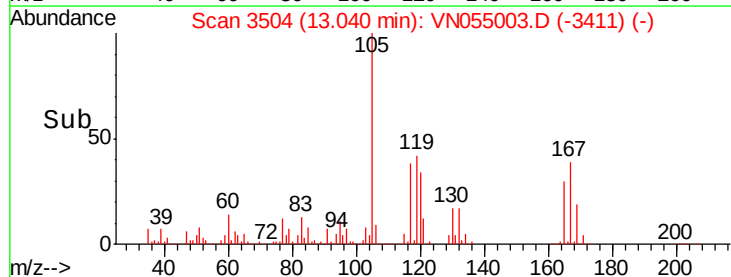
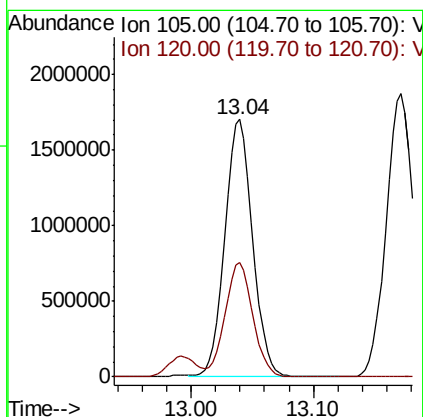
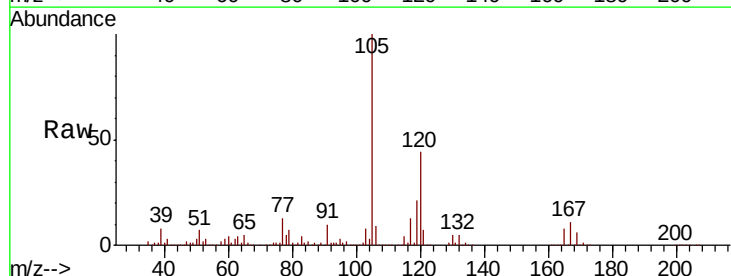
Instrument :
 MSVOA_N
 ClientSampleId :

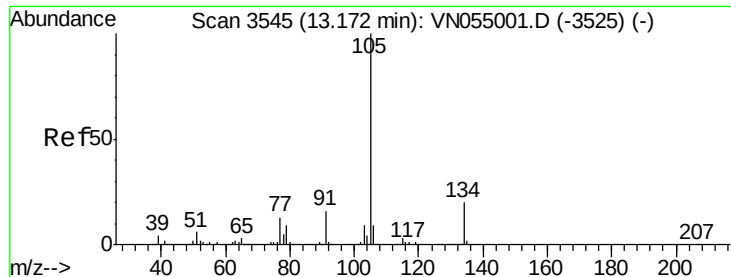
Tot Ion:119 Resp: 2309011
 Ion Ratio Lower Upper
 119 100
 91 67.0 33.3 99.8
 134 26.3 12.3 36.9



#84
 1,2,4-Trimethylbenzene
 Concen: 138.674 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion:105 Resp: 2716023
 Ion Ratio Lower Upper
 105 100
 120 44.5 22.4 67.3





#85

sec-Butylbenzene

Concen: 135.373 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

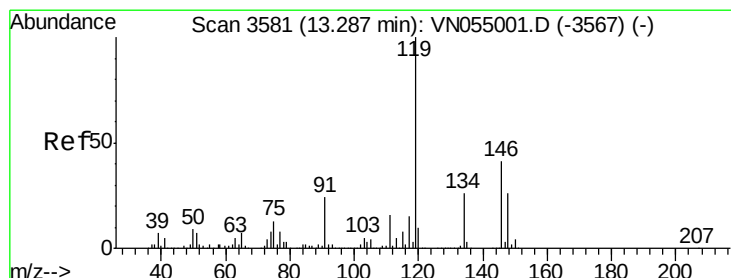
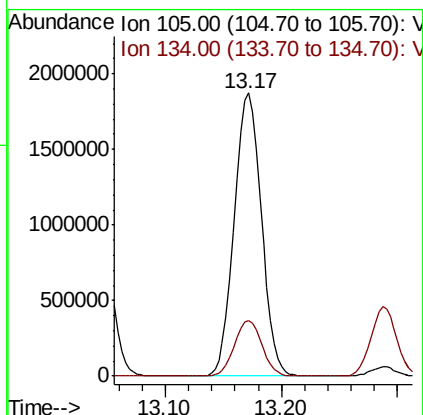
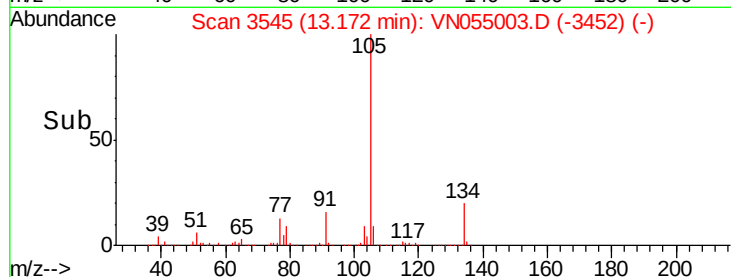
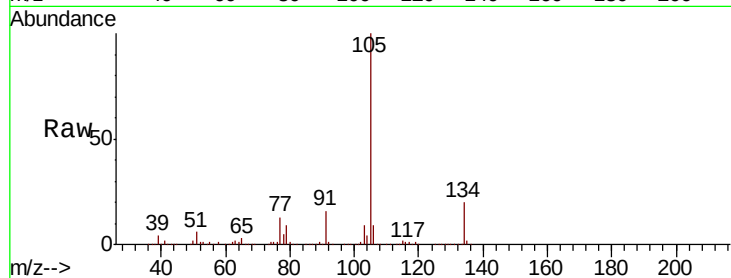
ClientSampleId :

Tot Ion:105 Resp: 3025811

Ion Ratio Lower Upper

105 100

134 19.8 9.8 29.3



#86

p-Isopropyltoluene

Concen: 139.809 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

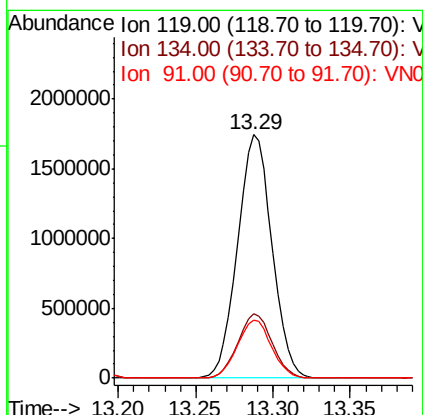
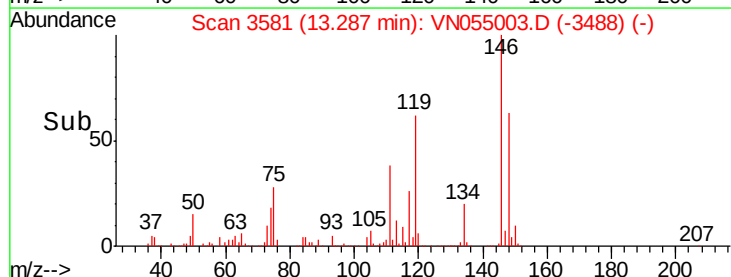
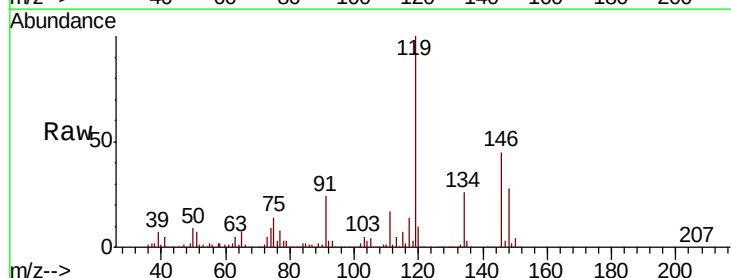
Tgt Ion:119 Resp: 2689911

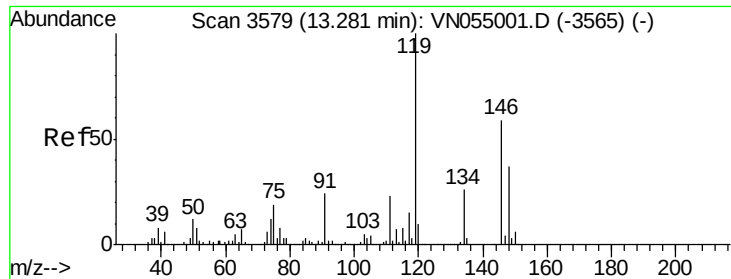
Ion Ratio Lower Upper

119 100

134 26.3 13.2 39.5

91 23.9 11.7 35.1





#87

1,3-Dichlorobenzene

Concen: 141.839 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

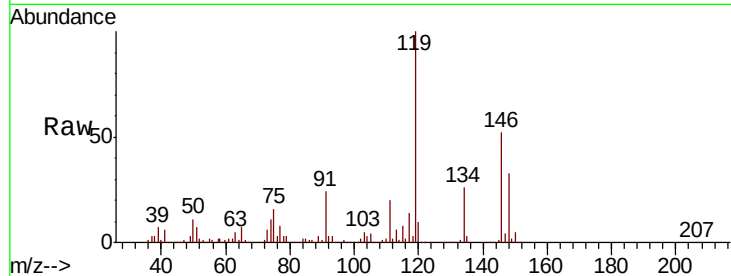
Tot Ion:146 Resp: 1407521

Ion Ratio Lower Upper

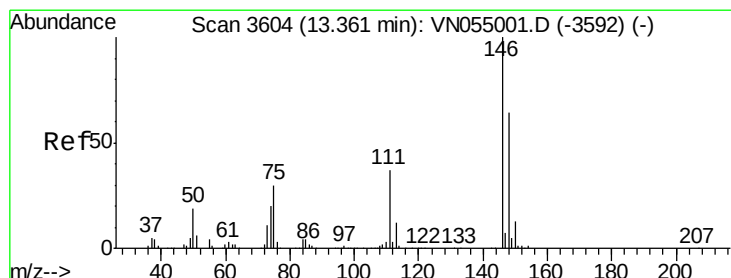
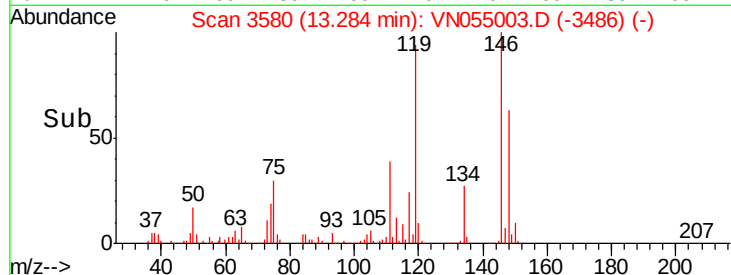
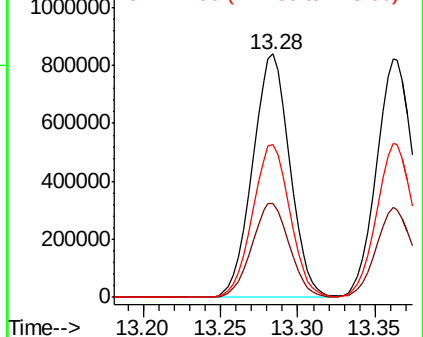
146 100

111 39.0 19.5 58.5

148 63.3 31.6 94.7



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



#88

1,4-Dichlorobenzene

Concen: 146.274 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

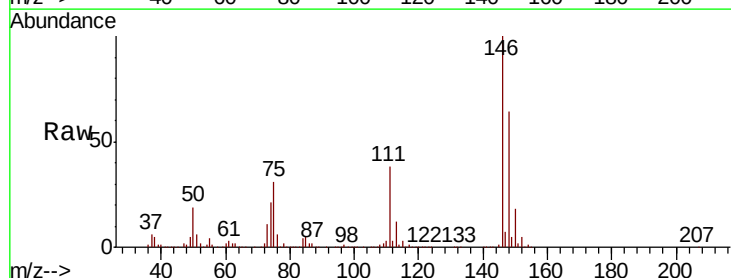
Tgt Ion:146 Resp: 1383659

Ion Ratio Lower Upper

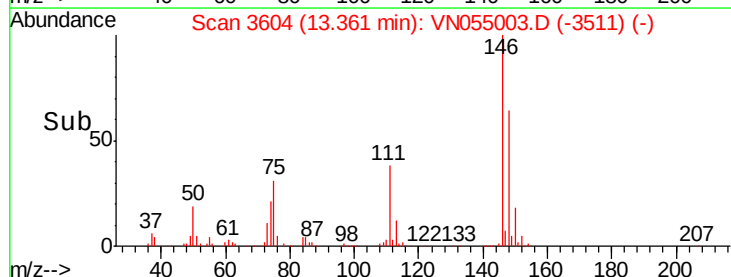
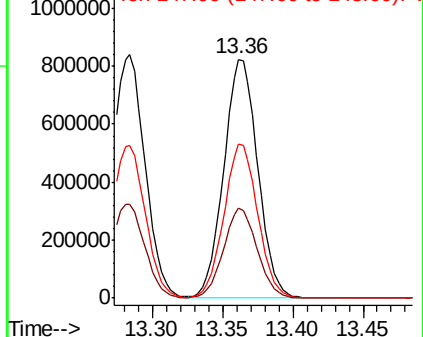
146 100

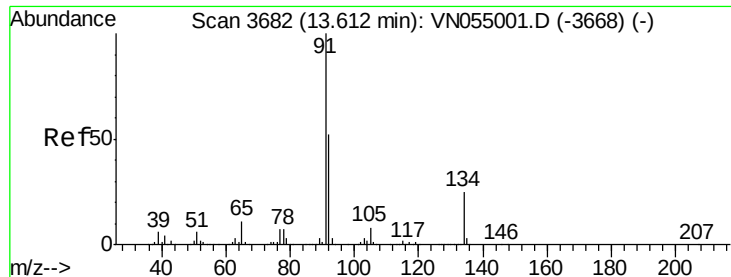
111 37.2 18.8 56.4

148 64.2 32.4 97.2



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





#89

n-Butylbenzene

Concen: 153.680 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Instrument :

MSVOA_N

ClientSampleId :

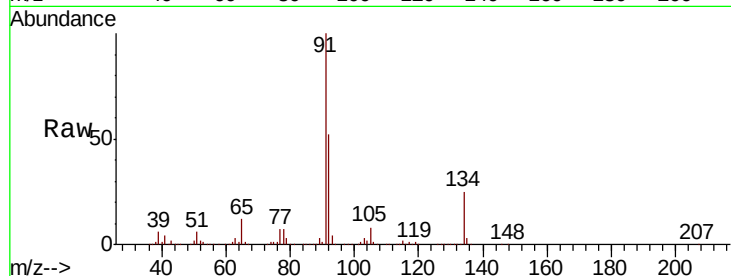
Tot Ion: 91 Resp: 2346497

Ion Ratio Lower Upper

91 100

92 51.7 25.9 77.7

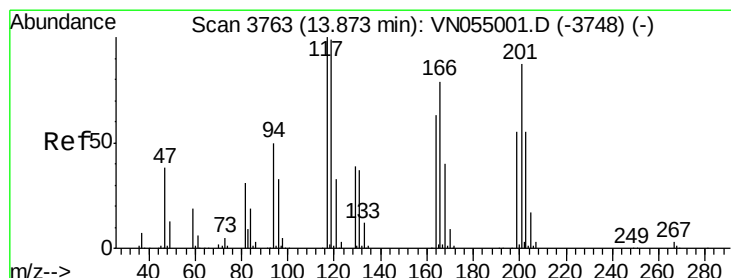
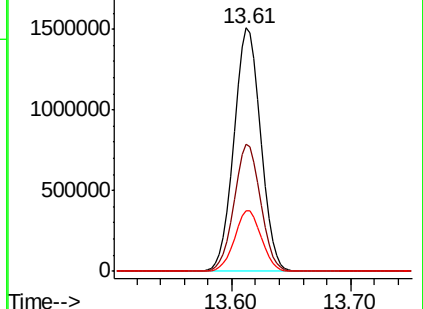
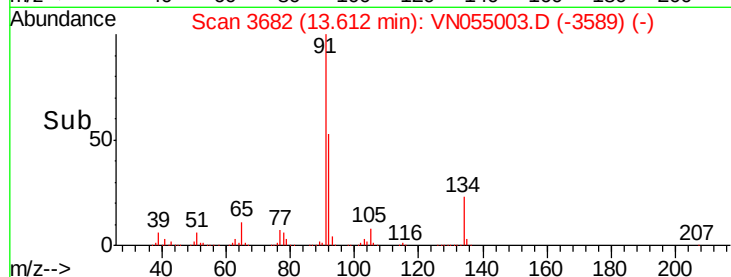
134 25.0 12.8 38.3



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) (-)



#90

Hexachloroethane

Concen: 147.718 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN055003.D

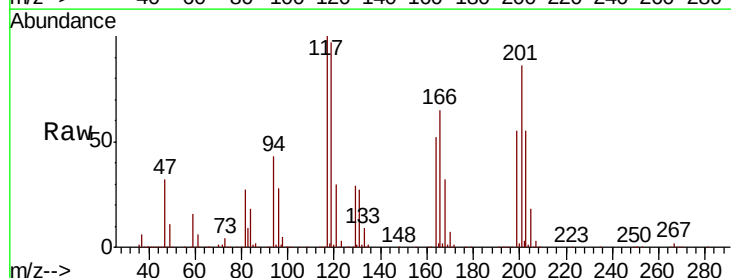
Acq: 12 Apr 2019 16:58

Tgt Ion: 117 Resp: 472726

Ion Ratio Lower Upper

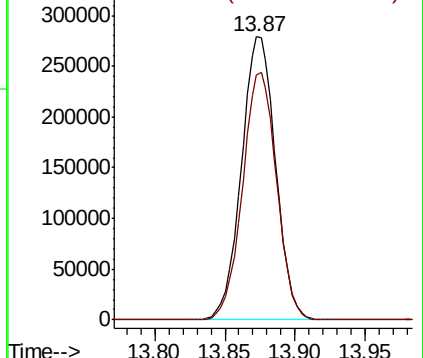
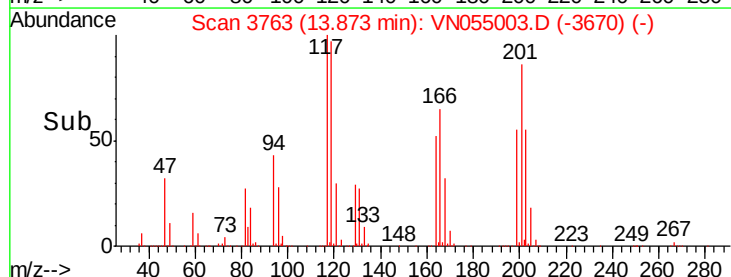
117 100

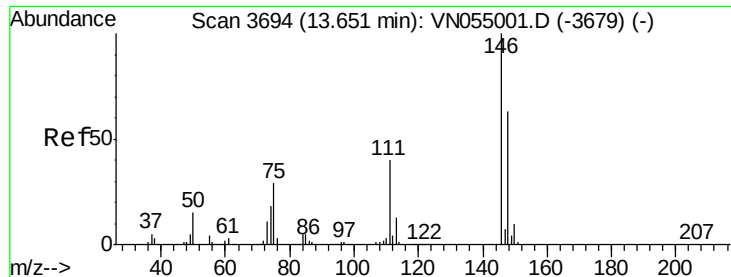
201 87.4 43.4 130.2



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

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

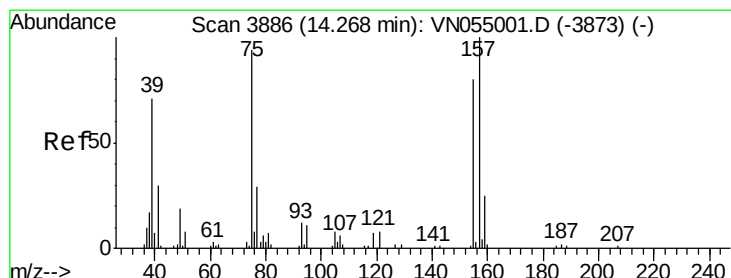
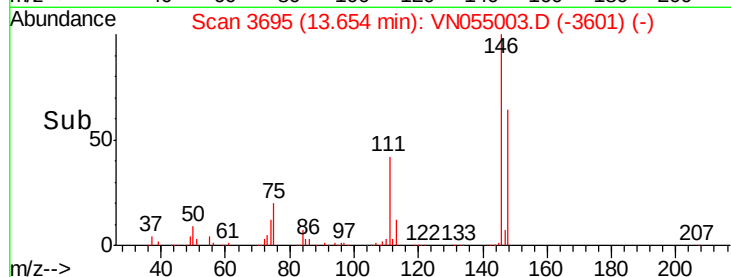
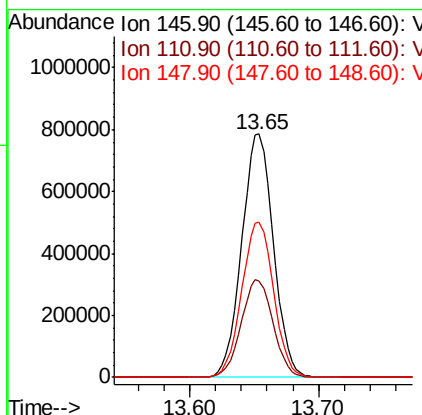
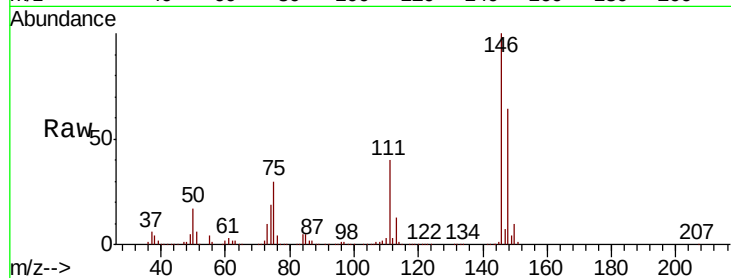




#91
 1,2-Dichlorobenzene
 Concen: 137.513 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

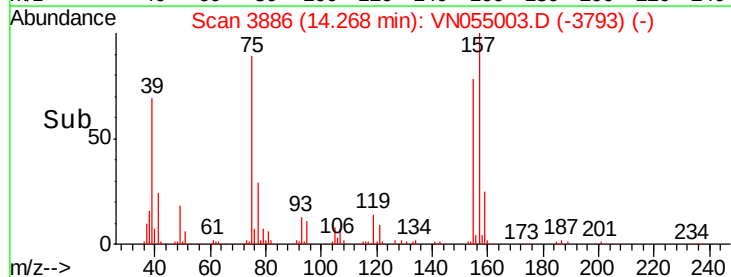
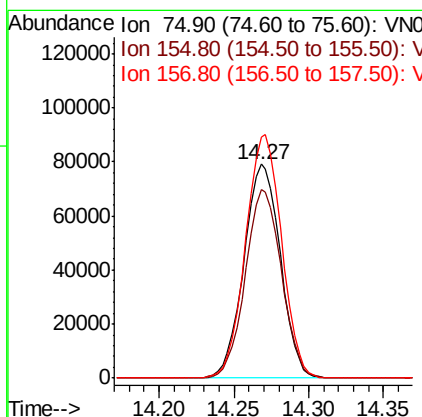
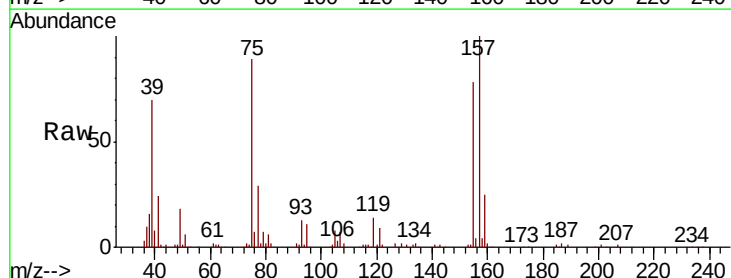
Instrument :
 MSVOA_N
 ClientSampled :

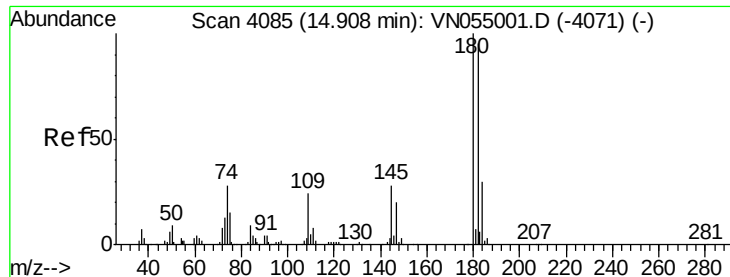
Tot Ion:146 Resp: 1343910
 Ion Ratio Lower Upper
 146 100
 111 40.3 20.3 60.9
 148 64.2 32.2 96.6



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 156.999 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion: 75 Resp: 134448
 Ion Ratio Lower Upper
 75 100
 155 87.1 42.0 126.0
 157 112.5 52.1 156.4

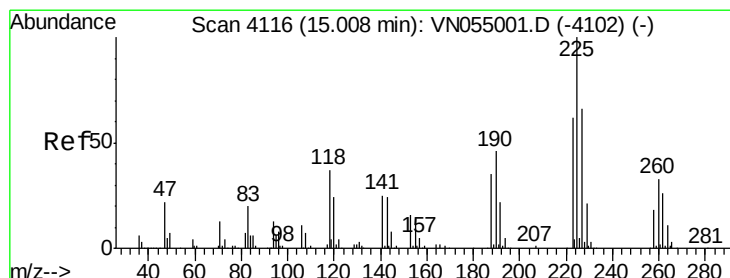
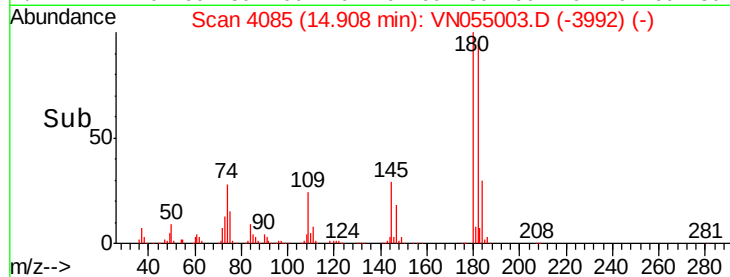
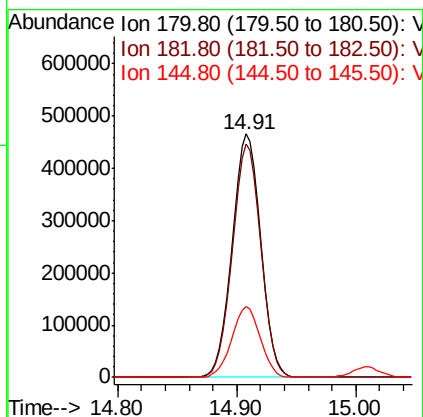
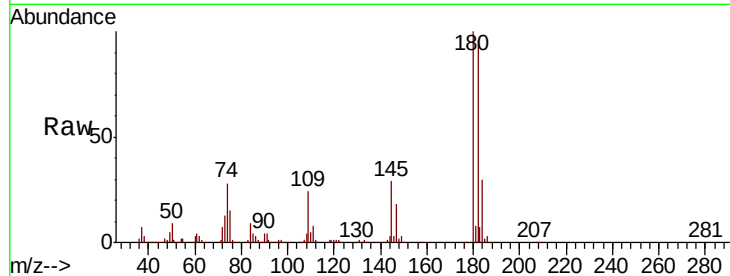




#93
 1,2,4-Trichlorobenzene
 Concen: 179.754 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

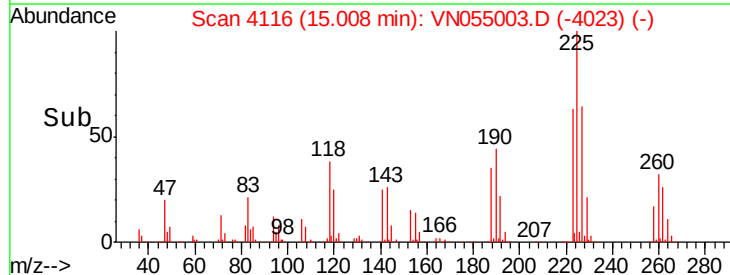
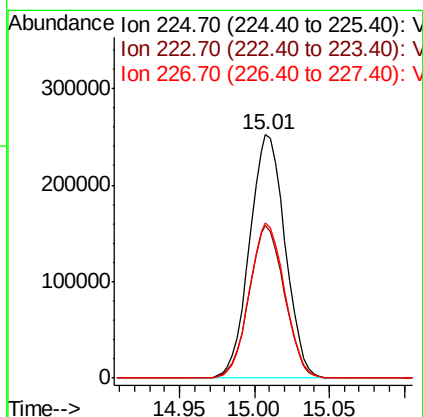
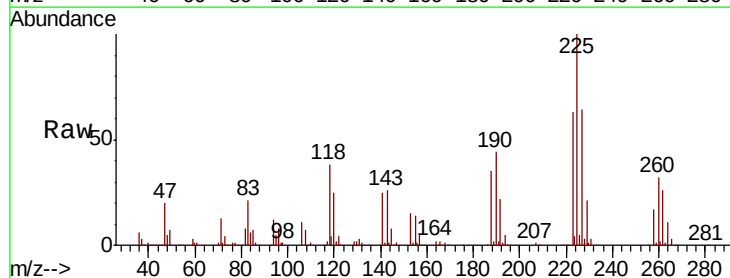
Instrument :
 MSVOA_N
 ClientSampleId :

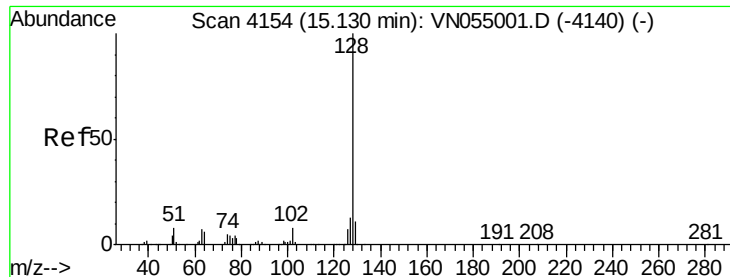
Tot Ion:180 Resp: 772382
 Ion Ratio Lower Upper
 180 100
 182 95.5 47.5 142.6
 145 29.0 14.2 42.8



#94
 Hexachlorobutadiene
 Concen: 127.115 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055003.D
 Acq: 12 Apr 2019 16:58

Tgt Ion:225 Resp: 416248
 Ion Ratio Lower Upper
 225 100
 223 62.4 31.4 94.0
 227 63.5 32.6 97.7





#95

Naphthalene

Concen: 195.268 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

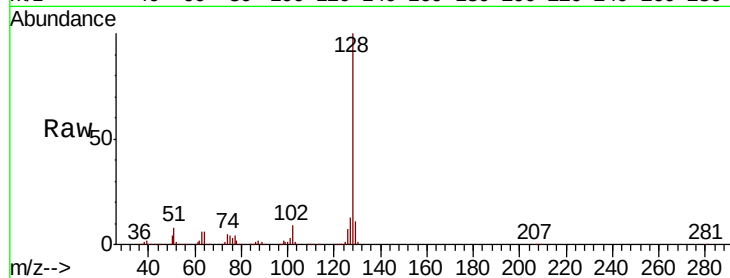
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 1853046

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.0	8.8	13.2

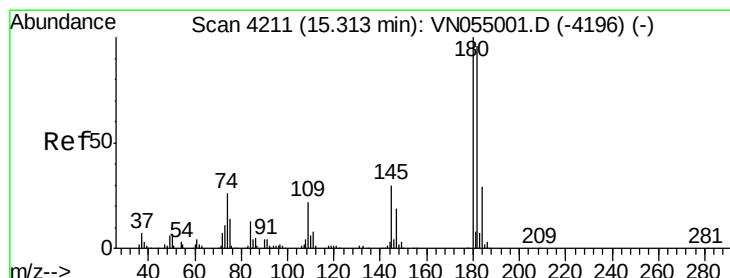
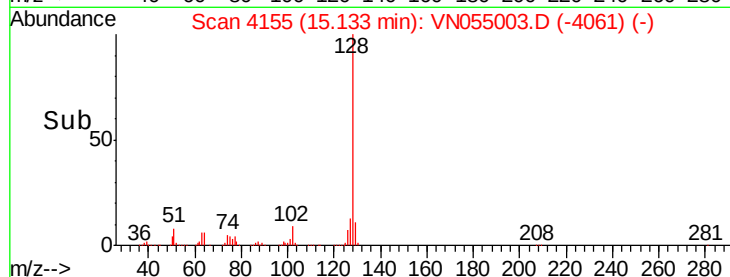


Abundance

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: 169.328 ug/l

RT: 15.31 min Scan# 4211

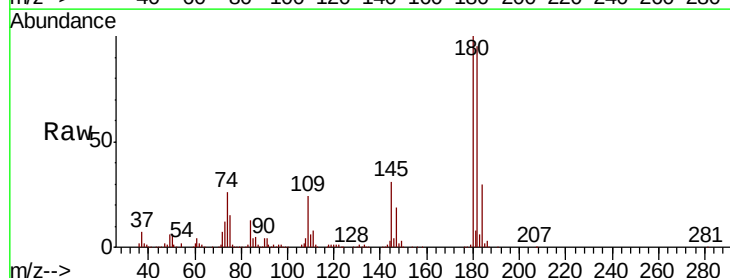
Delta R.T. -0.00 min

Lab File: VN055003.D

Acq: 12 Apr 2019 16:58

Tgt Ion:180 Resp: 755956

Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.0
145	30.8	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

