

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054020.D
 Acq On : 1 Mar 2019 10:50
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Quant Time: Mar 02 00:18:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	126553	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	693916	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	622815	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	260119	29.27	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.57%
60) 4-Bromofluorobenzene	12.40	95	297457	31.20	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	104.00%
63) Toluene-d8	10.09	98	881775	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	1017842	142.248	ug/l 99
3) Chloromethane	2.06	50	1394132	146.473	ug/l 99
4) Vinyl Chloride	2.19	62	1384574	145.269	ug/l 97
5) Bromomethane	2.56	94	841453	143.516	ug/l 98
6) Chloroethane	2.70	64	807352	143.872	ug/l 100
7) Trichlorofluoromethane	3.02	101	1667356	143.983	ug/l 100
8) Diethyl Ether	3.41	74	656800	150.811	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	1052120	141.318	ug/l 98
10) 1,1-Dichloroethene	3.74	96	1024392	146.852	ug/l 98
11) Methyl Iodide	3.95	142	1623852	156.938	ug/l 98
12) Methyl Acetate	4.32	43	883545	150.223	ug/l 97
13) Acrolein	3.60	56	514635	739.604	ug/l 99
14) Acrylonitrile	4.98	53	2148848	760.292	ug/l 98
15) Acetone	3.81	58	540957	664.148	ug/l 97
16) Carbon Disulfide	4.05	76	3402148	150.321	ug/l 100
17) Allyl chloride	4.32	41	1843450	149.429	ug/l 99
18) Methylene Chloride	4.55	84	1164051	144.511	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	1107355	146.326	ug/l 98
20) Diisopropyl ether	5.95	45	3841813	155.674	ug/l 96
21) 1,1-Dichloroethane	5.85	63	2139021	146.762	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	1263912	150.024	ug/l 98
23) tert-Butyl Alcohol	4.78	59	398655	787.496	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	2939657	155.668	ug/l 99
25) Chloroform	7.37	83	2043809	145.337	ug/l 100
26) Cyclohexane	7.65	56	2052135	154.712	ug/l # 98
29) 1,1-Dichloropropene	7.79	75	1660537	152.773	ug/l 99
30) 2-Butanone	6.83	43	2586450	753.656	ug/l 99
31) 2,2-Dichloropropane	6.82	77	1595655	148.880	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	1740795	148.898	ug/l 98
33) Carbon Tetrachloride	7.77	117	1552699	149.998	ug/l 99
34) Benzene	8.04	78	4846036	150.017	ug/l # 92
35) Methacrylonitrile	7.17	41	576790	150.311	ug/l 97
36) 1,2-Dichloroethane	8.12	62	1500883	144.692	ug/l 100
37) Trichloroethene	8.83	130	1250047	148.244	ug/l 98
38) Methylcyclohexane	9.08	83	2037925	158.856	ug/l 99
39) 1,2-Dichloropropane	9.12	63	1330346	150.331	ug/l 99
40) Dibromomethane	9.21	93	745720	146.992	ug/l 99

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 ALS Vial : 6 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VSTDICC150

Quant Time: Mar 02 00:18:13 2019
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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:11:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1614711	150.008	ug/l	98
42) Vinyl Acetate	5.89	43	14311415	807.193	ug/l	99
43) Ethyl Acetate	6.92	43	1129507	157.131	ug/l #	71
44) Isopropyl Acetate	8.16	43	1991129	157.857	ug/l #	83
45) 1,4-Dioxane	9.20	88	238316	3015.107	ug/l	95
46) Methyl methacrylate	9.20	41	1016819	167.829	ug/l	97
47) n-amyl Acetate	12.07	43	1659267	179.075	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	1763018	163.351	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1998920	157.725	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	1045348	146.894	ug/l	99
51) Ethyl methacrylate	10.43	69	1455783	169.933	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1836400	150.358	ug/l	99
53) Dibromochloromethane	10.90	129	1209974	154.736	ug/l	98
54) 1,2-Dibromoethane	11.00	107	1053615	155.428	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	3450054	867.825	ug/l	100
56) Bromoform	12.13	173	846383	163.014	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	5450671	776.675	ug/l	99
59) 2-Hexanone	10.75	43	3624226	790.419	ug/l	100
61) Tetrachloroethene	10.63	164	1179201	136.194	ug/l	98
62) Toluene	10.16	91	5131549	147.427	ug/l	100
64) Chlorobenzene	11.43	112	3161440	149.158	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1158894	148.910	ug/l	99
66) Ethyl Benzene	11.51	91	5613230	154.279	ug/l	99
67) m/p-Xylenes	11.62	106	4187046	305.661	ug/l	100
68) o-Xylene	11.95	106	2040175	153.642	ug/l	100
69) Styrene	11.96	104	3362724	159.928	ug/l	100
70) Isopropylbenzene	12.25	105	5307338	152.285	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	1305744	151.792	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	1679998	257.211	ug/l	41
73) Bromobenzene	12.53	156	1343012	152.843	ug/l	99
74) n-propylbenzene	12.59	91	6432040	154.985	ug/l	100
75) 2-Chlorotoluene	12.67	91	3714540	152.846	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	4536360	153.661	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	403464	173.587	ug/l	94
78) 4-Chlorotoluene	12.77	91	3793902	156.010	ug/l	99
79) tert-butylbenzene	12.99	119	3956154	152.930	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	4575188	155.712	ug/l	100
81) sec-Butylbenzene	13.17	105	5392677	151.996	ug/l	99
82) p-Isopropyltoluene	13.29	119	4735740	156.324	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	2424344	156.424	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2361979	159.621	ug/l	99
85) n-Butylbenzene	13.62	91	4357465	165.035	ug/l	100
86) Hexachloroethane	13.87	117	895701	158.142	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	2278917	151.616	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	198042	159.124	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	1410437	184.704	ug/l	99
90) Hexachlorobutadiene	15.01	225	785981	141.667	ug/l	99
91) Naphthalene	15.13	128	3086300	154.727	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	1342853	178.076	ug/l	98

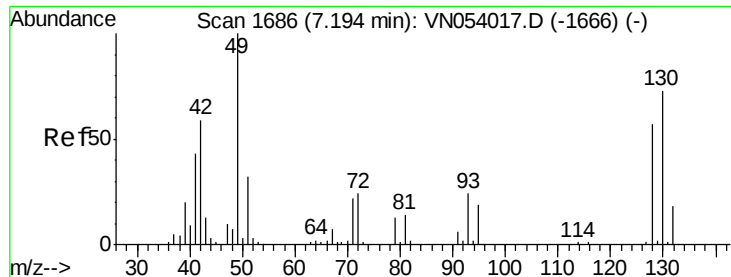
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Mar 01 11:11:48 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

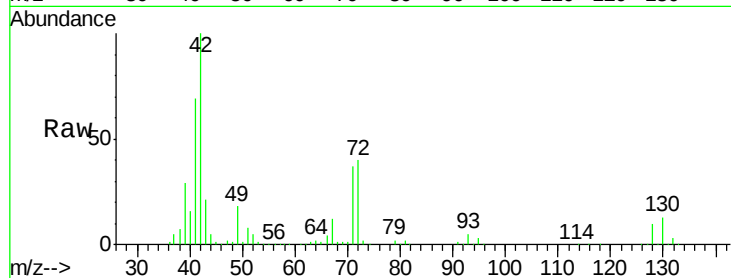
Tot Ion:128 Resp: 126553

Ion Ratio Lower Upper

128 100

49 181.8 0.0 431.8

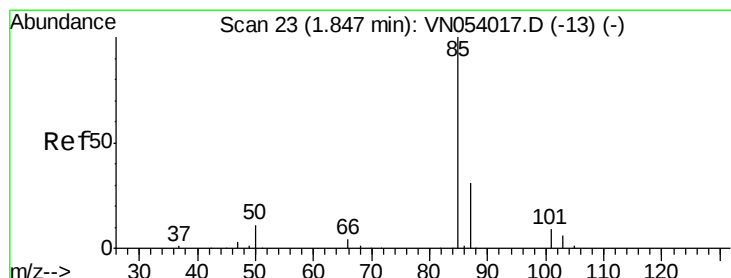
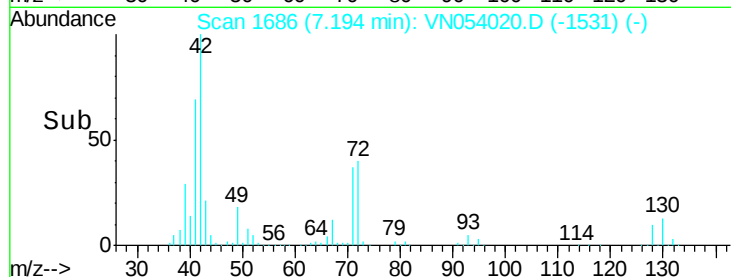
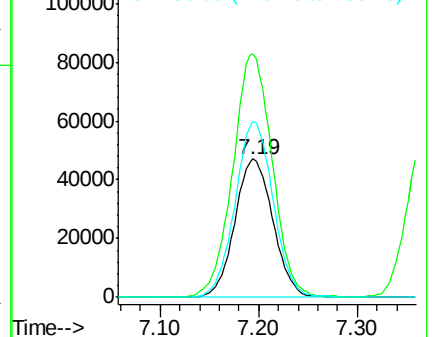
130 126.4 0.0 317.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 142.248 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN054020.D

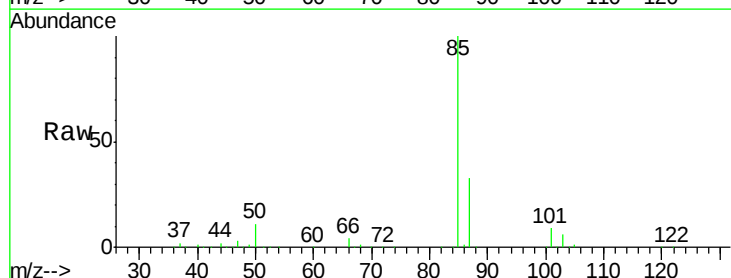
Acq: 1 Mar 2019 10:50

Tgt Ion: 85 Resp: 1017842

Ion Ratio Lower Upper

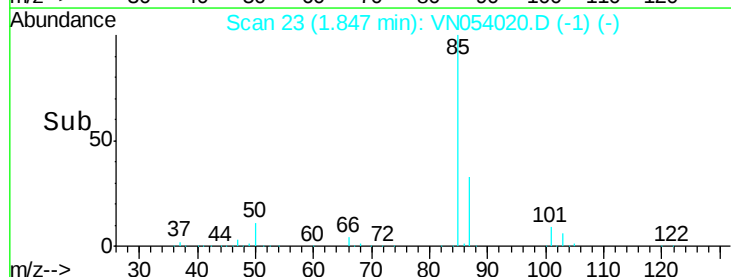
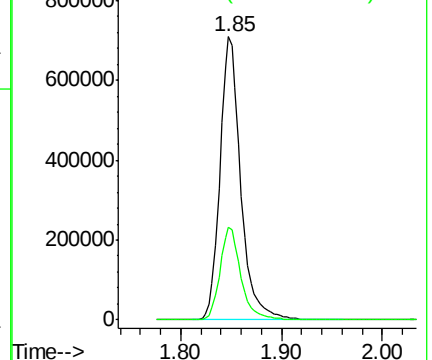
85 100

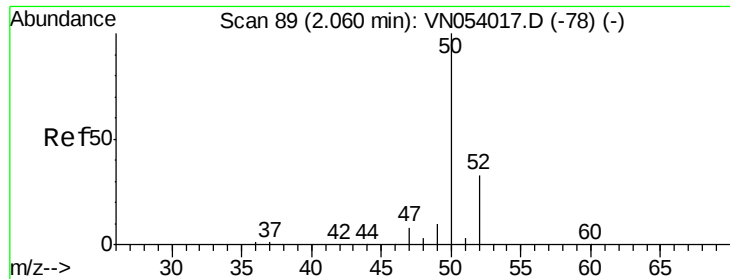
87 32.7 16.1 48.3



Abundance Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 146.473 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

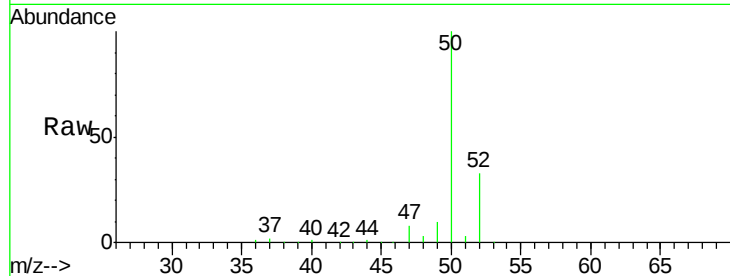
VSTDIC150

Tot Ion: 50 Resp: 1394132

Ion Ratio Lower Upper

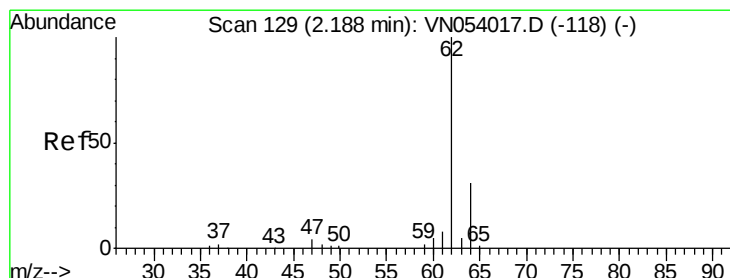
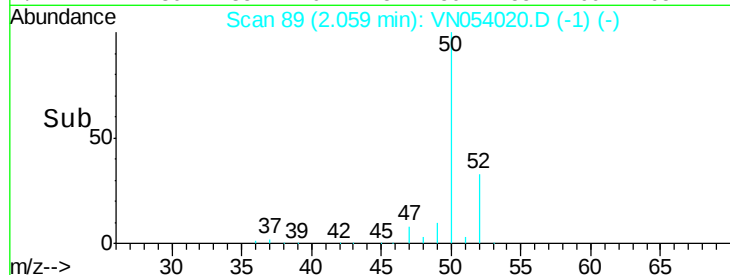
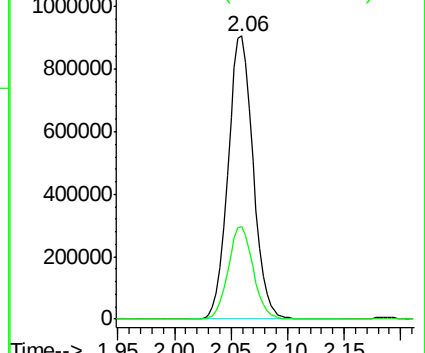
50 100

52 32.6 26.5 39.7



Abundance Ion 50.00 (49.70 to 50.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#4

Vinyl Chloride

Concen: 145.269 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054020.D

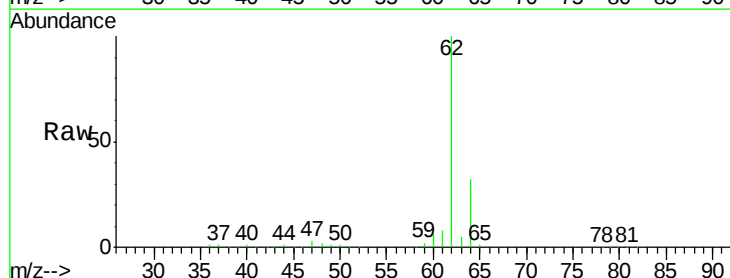
Acq: 1 Mar 2019 10:50

Tgt Ion: 62 Resp: 1384574

Ion Ratio Lower Upper

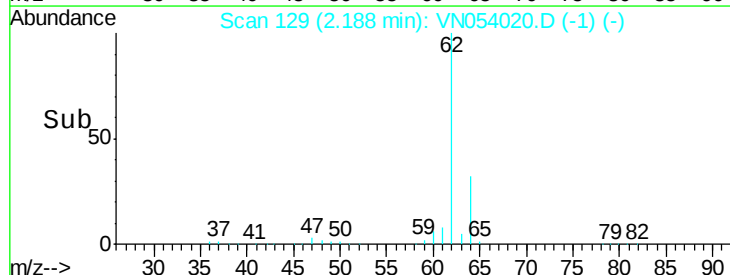
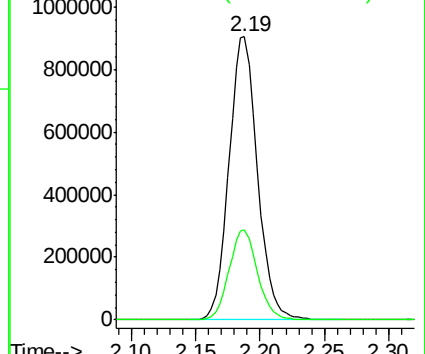
62 100

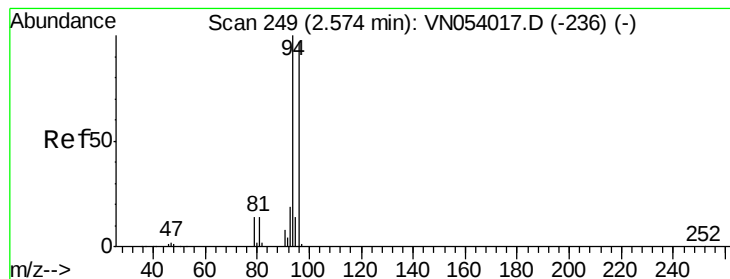
64 31.7 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VNO

Ion 64.00 (63.70 to 64.70): VNO





#5

Bromomethane

Concen: 143.516 ug/l

RT: 2.56 min Scan# 244

Delta R.T. -0.02 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

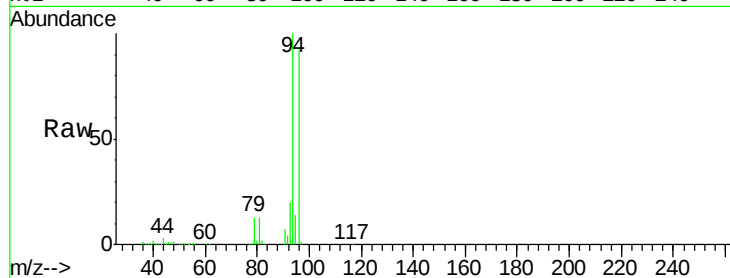
VSTDIC150

Tot Ion: 94 Resp: 841453

Ion Ratio Lower Upper

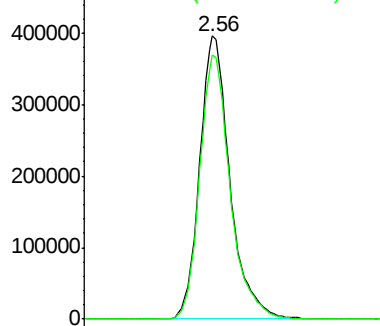
94 100

96 93.1 76.2 114.2

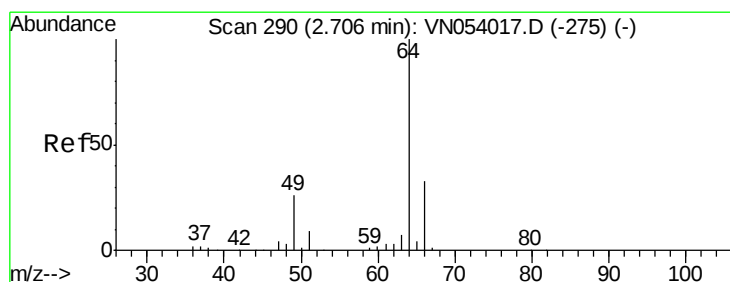
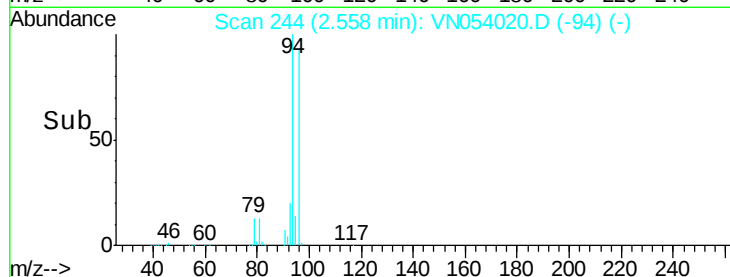


Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



Time-->



#6

Chloroethane

Concen: 143.872 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN054020.D

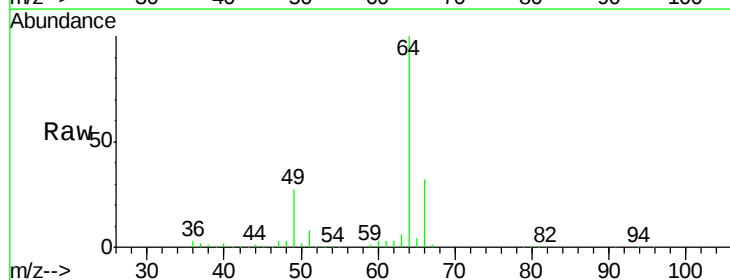
Acq: 1 Mar 2019 10:50

Tgt Ion: 64 Resp: 807352

Ion Ratio Lower Upper

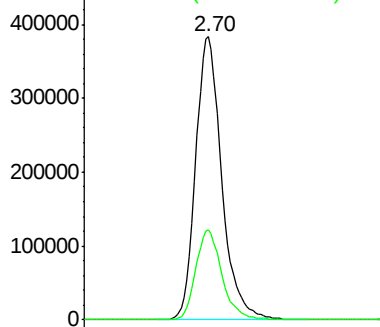
64 100

66 31.8 25.6 38.4

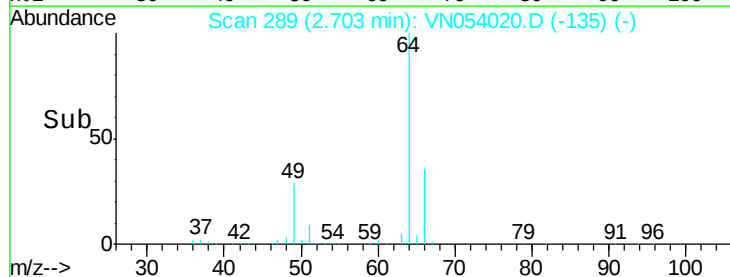


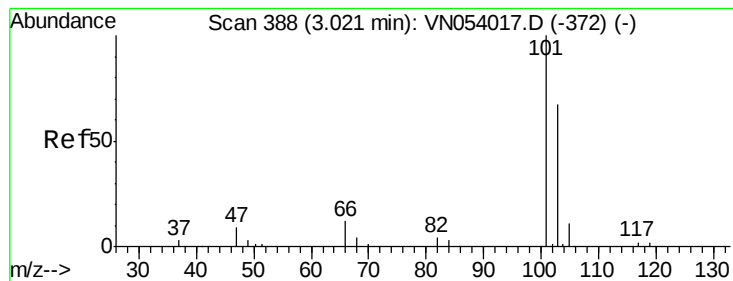
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->



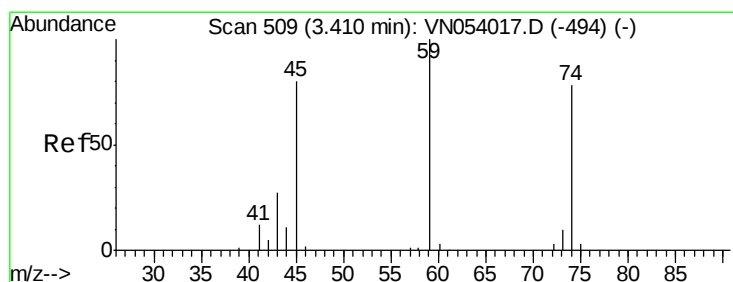
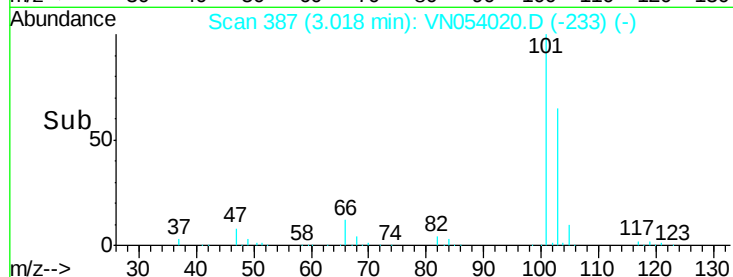
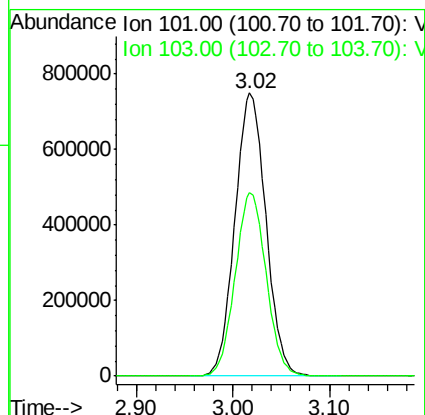
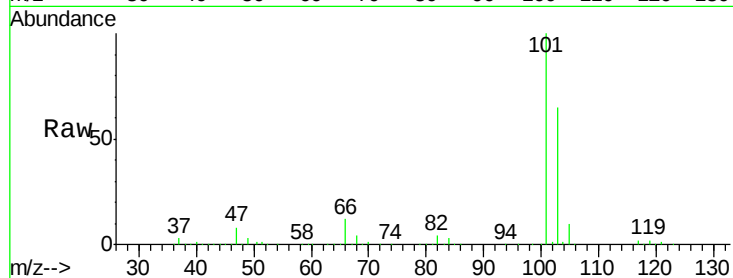


#7

Trichlorofluoromethane
Concen: 143.983 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

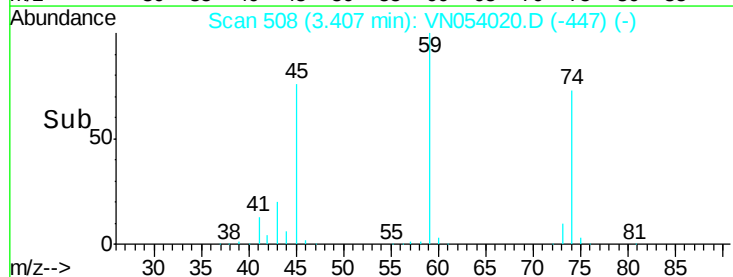
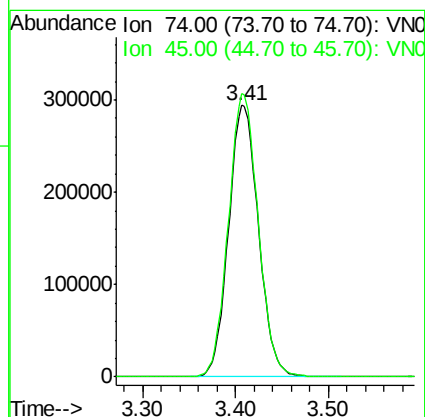
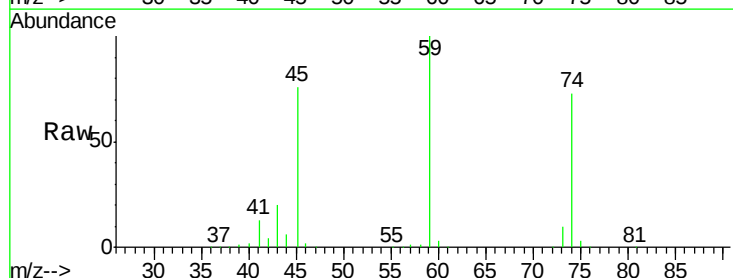
Tot Ion:101 Resp: 1667356
Ion Ratio Lower Upper
101 100
103 65.0 52.1 78.1

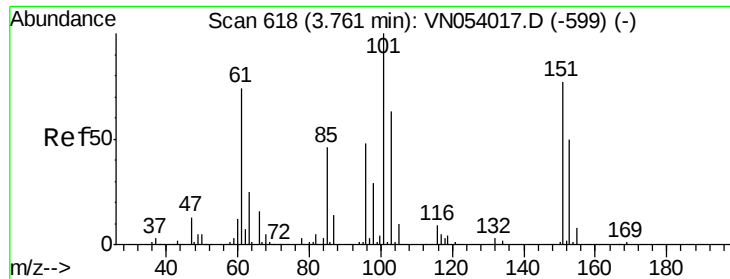


#8

Diethyl Ether
Concen: 150.811 ug/l
RT: 3.41 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 74 Resp: 656800
Ion Ratio Lower Upper
74 100
45 103.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 141.318 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

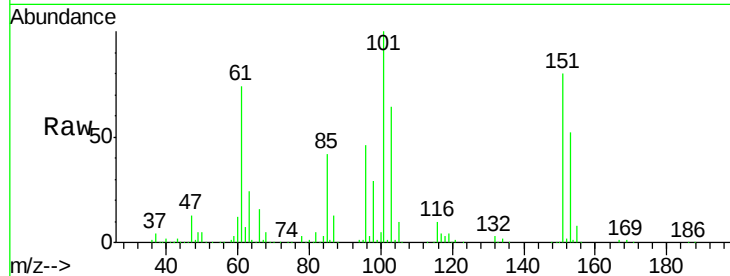
Tot Ion:101 Resp: 1052120

Ion Ratio Lower Upper

101 100

85 42.8 0.0 82.6

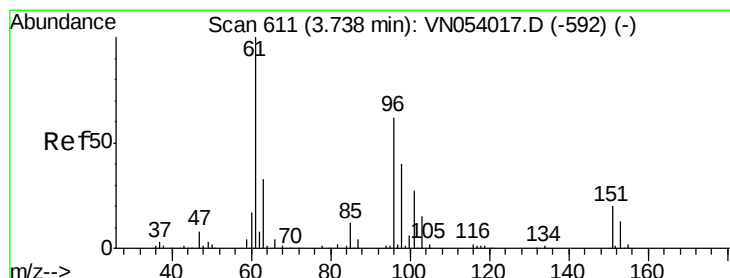
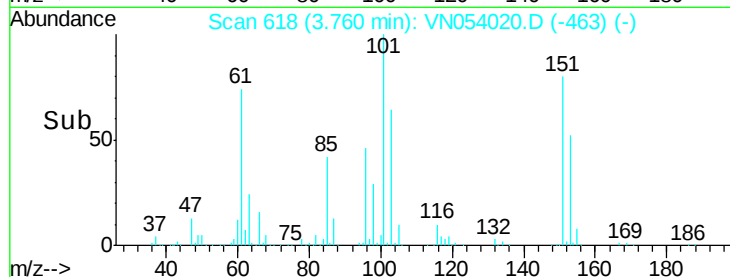
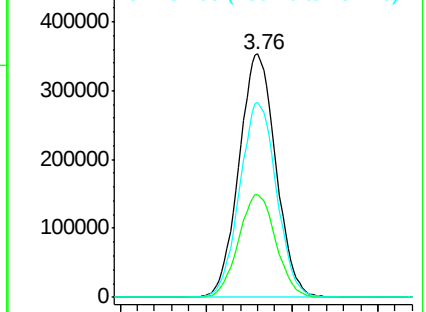
151 80.3 0.0 158.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 146.852 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

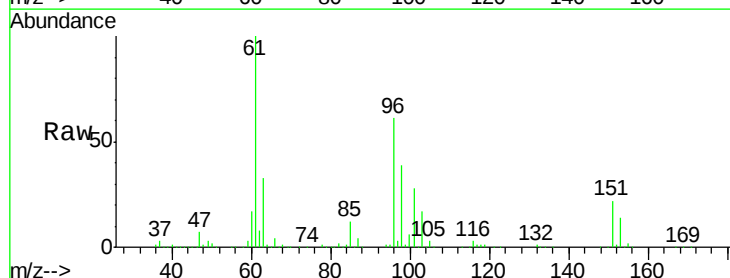
Tgt Ion: 96 Resp: 1024392

Ion Ratio Lower Upper

96 100

61 165.2 129.4 194.2

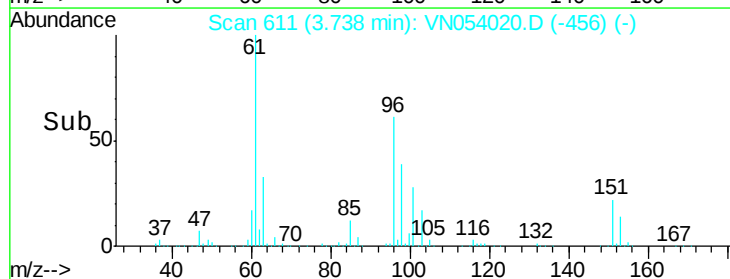
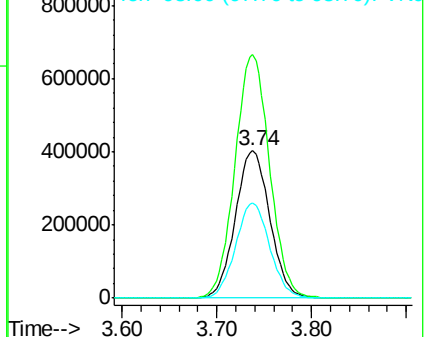
98 64.6 50.4 75.6

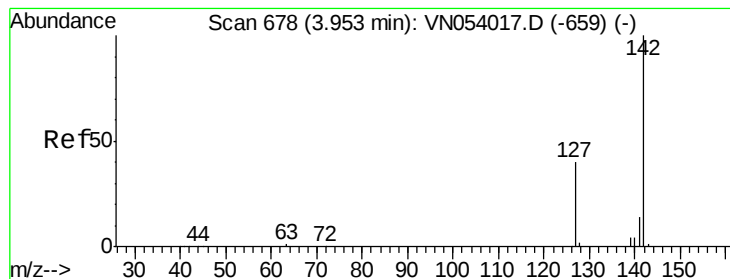


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#11

Methvl Iodide

Concen: 156.938 ug/l

RT: 3.95 min Scan# 678

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

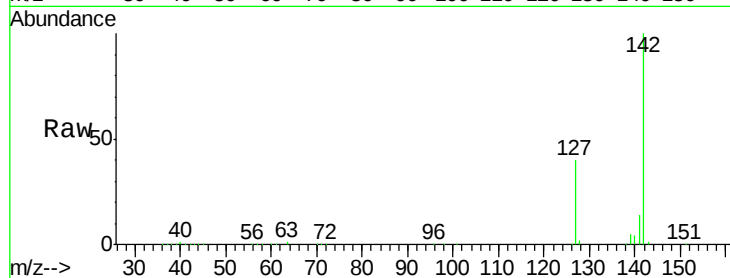
Tot Ion:142 Resp: 1623852

Ion Ratio Lower Upper

142 100

127 40.2 19.4 58.1

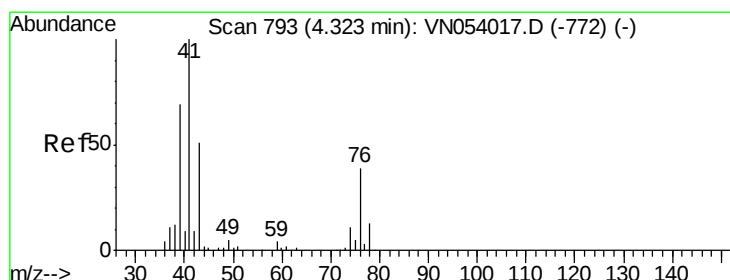
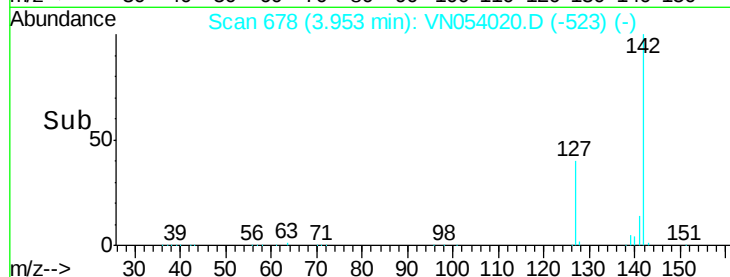
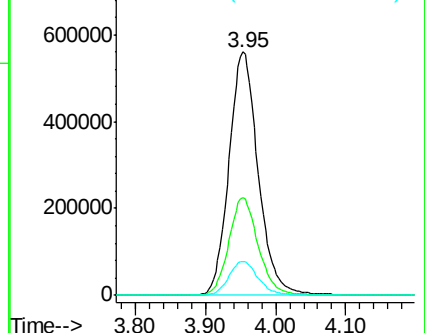
141 14.0 7.2 21.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



#12

Methyl Acetate

Concen: 150.223 ug/l

RT: 4.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VN054020.D

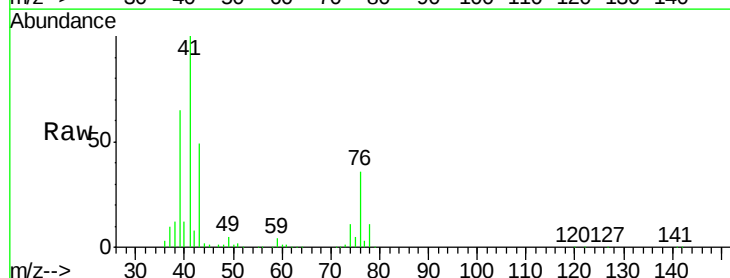
Acq: 1 Mar 2019 10:50

Tgt Ion: 43 Resp: 883545

Ion Ratio Lower Upper

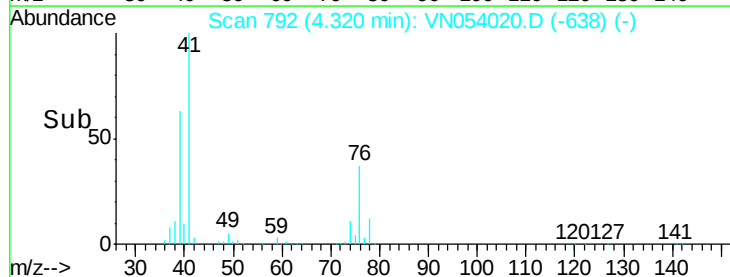
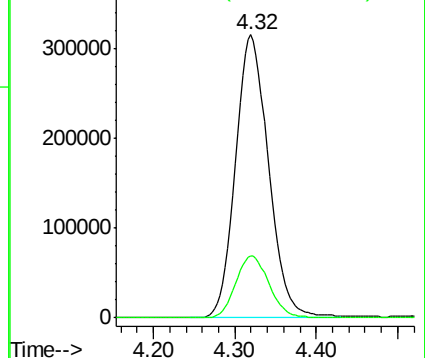
43 100

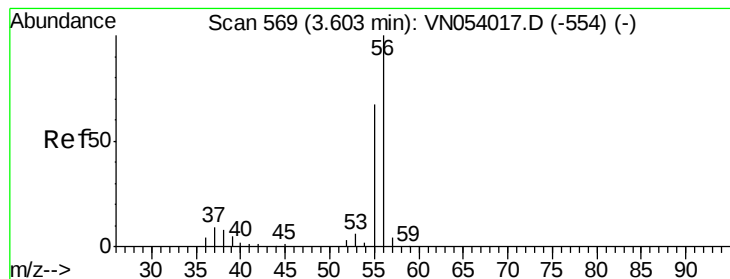
74 22.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 739.604 ug/l

RT: 3.60 min Scan# 569

Delta R.T. 0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

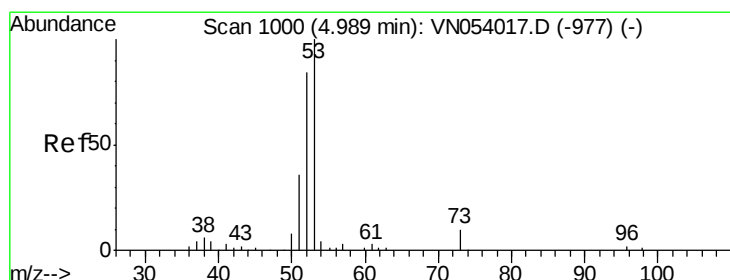
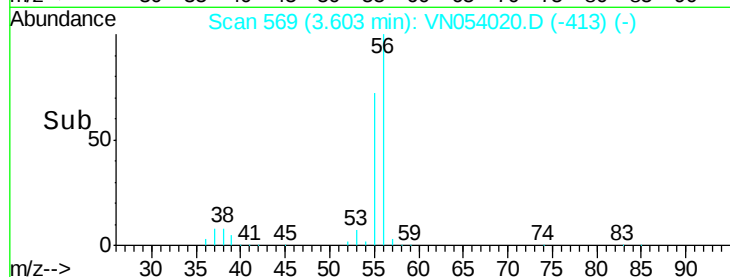
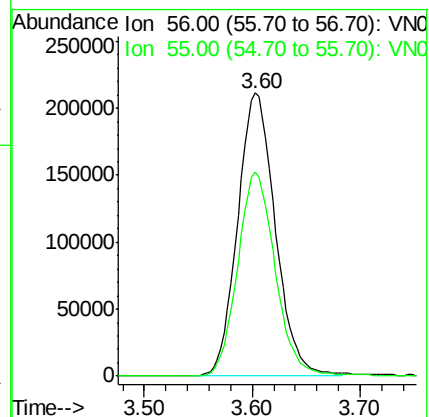
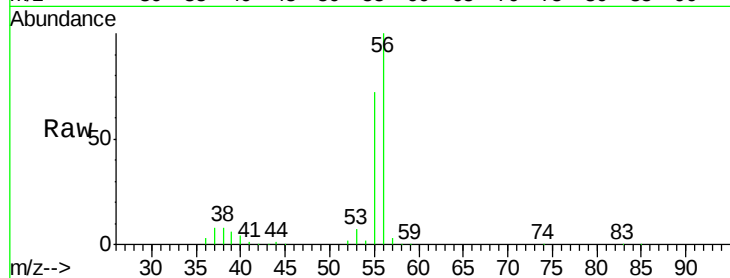
VSTDIC150

Tot Ion: 56 Resp: 514635

Ion Ratio Lower Upper

56 100

55 71.8 56.7 85.1



#14

Acrylonitrile

Concen: 760.292 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

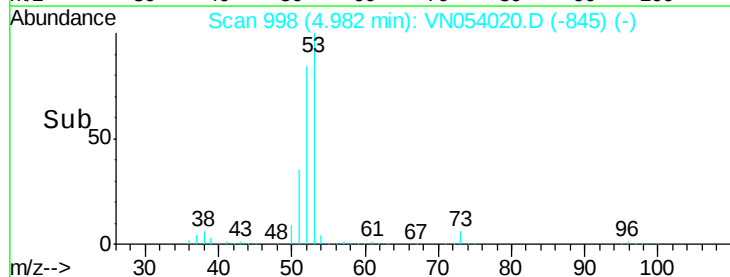
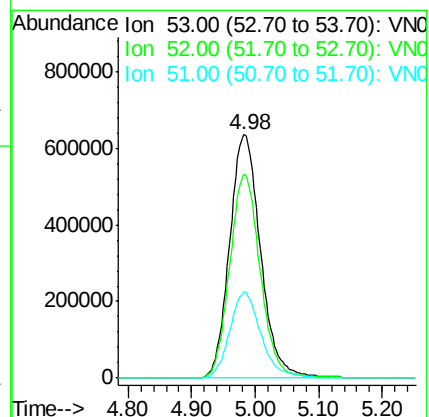
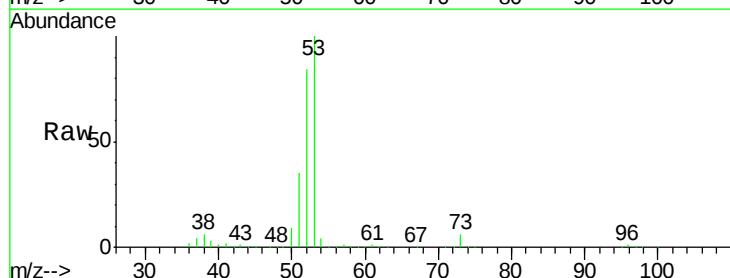
Tgt Ion: 53 Resp: 2148848

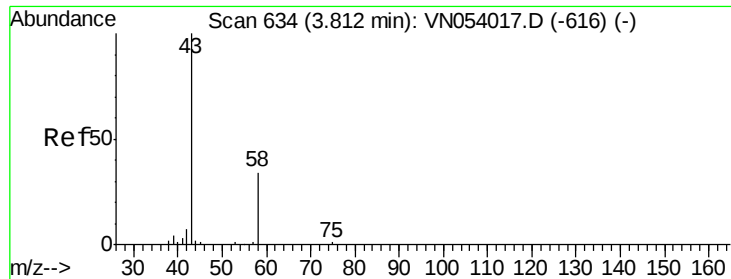
Ion Ratio Lower Upper

53 100

52 82.5 39.9 119.7

51 35.8 17.6 52.9





#15

Acetone

Concen: 664.148 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

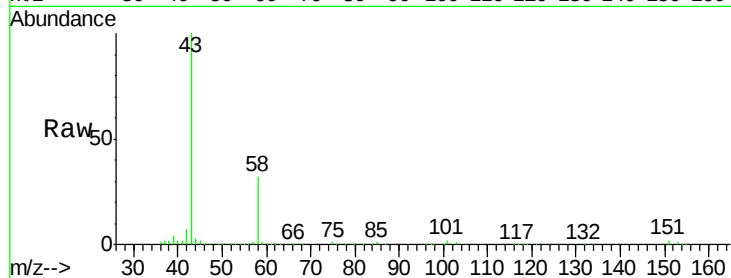
VSTDIC150

Tot Ion: 58 Resp: 540957

Ion Ratio Lower Upper

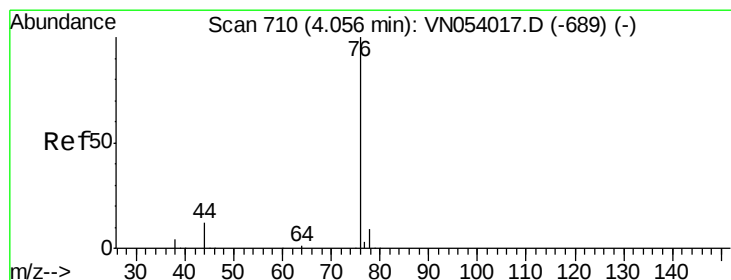
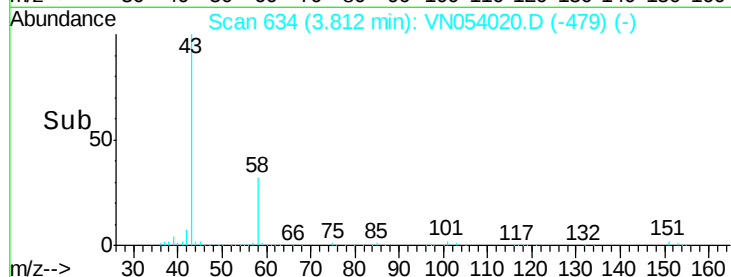
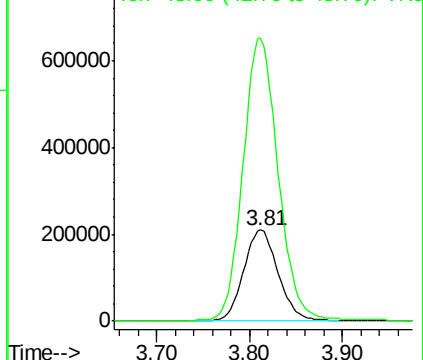
58 100

43 310.6 243.6 365.4



Abundance Ion 58.00 (57.70 to 58.70): VNO

Ion 43.00 (42.70 to 43.70): VNO



#16

Carbon Disulfide

Concen: 150.321 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054020.D

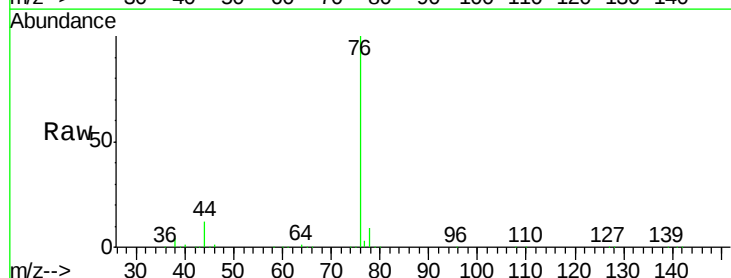
Acq: 1 Mar 2019 10:50

Tgt Ion: 76 Resp: 3402148

Ion Ratio Lower Upper

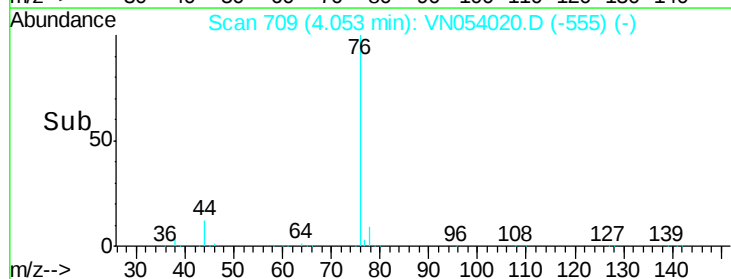
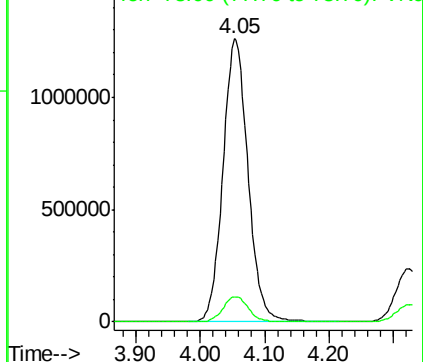
76 100

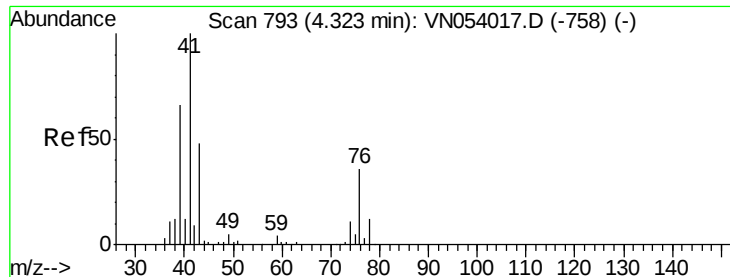
78 9.0 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VNO

Ion 78.00 (77.70 to 78.70): VNO





#17

Allvl chloride

Concen: 149.429 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

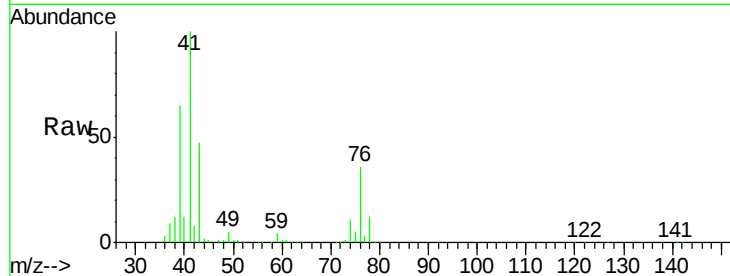
Tot Ion: 41 Resp: 1843450

Ion Ratio Lower Upper

41 100

39 65.1 32.8 98.3

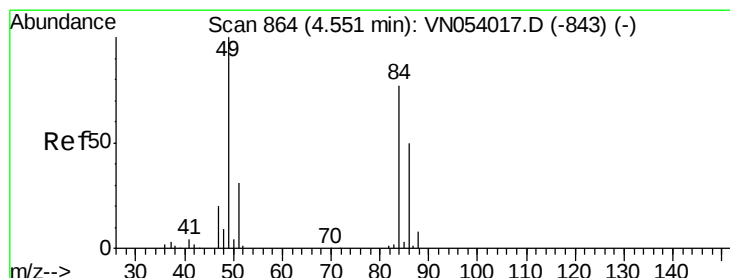
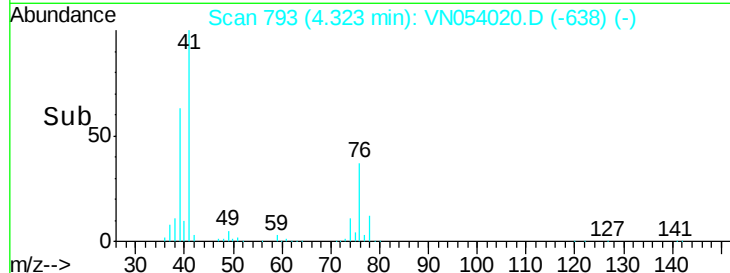
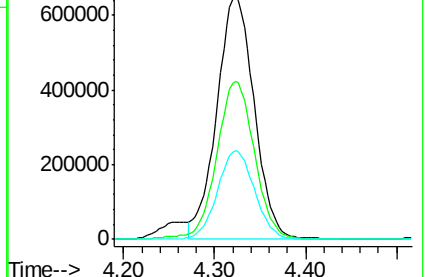
76 36.4 18.6 55.8



Abundance Ion 41.00 (40.70 to 41.70): VN054017.D (-758) (-)

Ion 39.00 (38.70 to 39.70): VN054017.D (-758) (-)

Ion 76.00 (75.70 to 76.70): VN054017.D (-758) (-)



#18

Methylene Chloride

Concen: 144.511 ug/l

RT: 4.55 min Scan# 864

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Tgt Ion: 84 Resp: 1164051

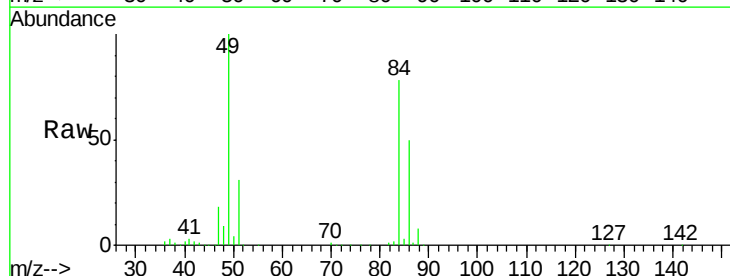
Ion Ratio Lower Upper

84 100

49 128.4 101.4 152.0

51 39.3 31.7 47.5

86 63.7 50.1 75.1

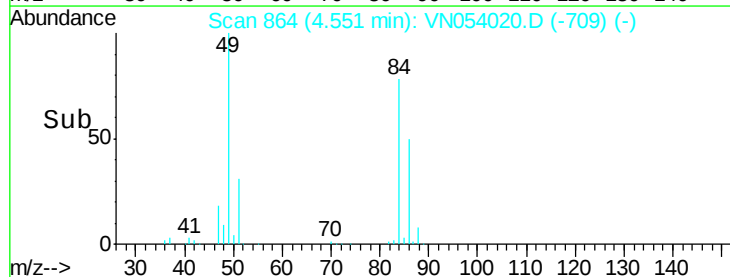
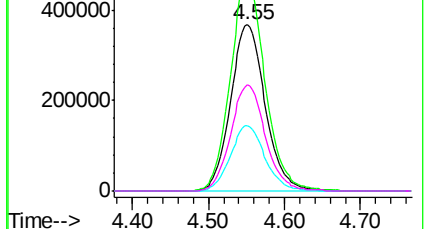


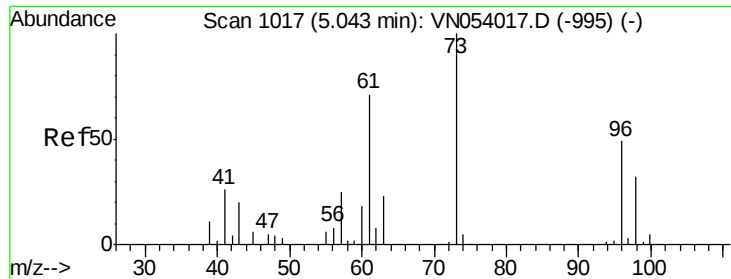
Abundance Ion 84.00 (83.70 to 84.70): VN054017.D (-843) (-)

Ion 49.00 (48.70 to 49.70): VN054017.D (-843) (-)

Ion 51.00 (50.70 to 51.70): VN054017.D (-843) (-)

Ion 86.00 (85.70 to 86.70): VN054017.D (-843) (-)

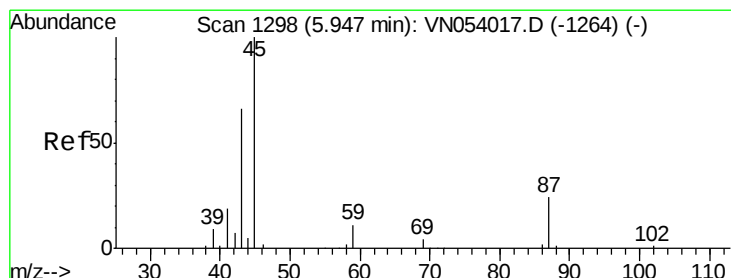
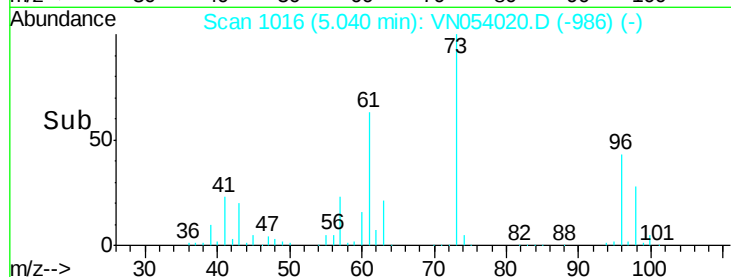
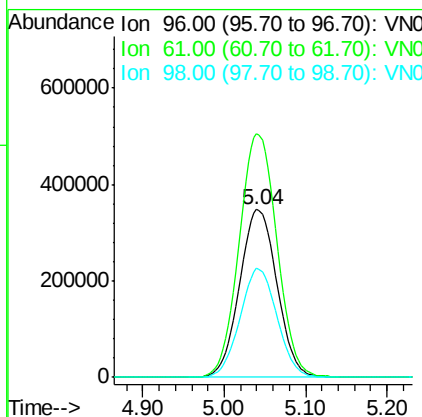
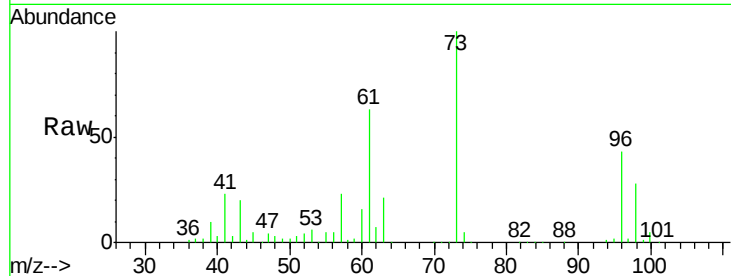




#19
trans-1,2-Dichloroethene
Concen: 146.326 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

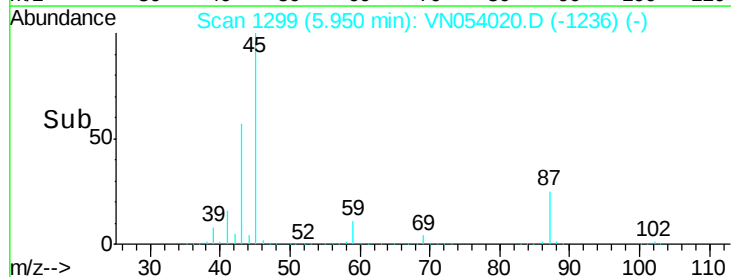
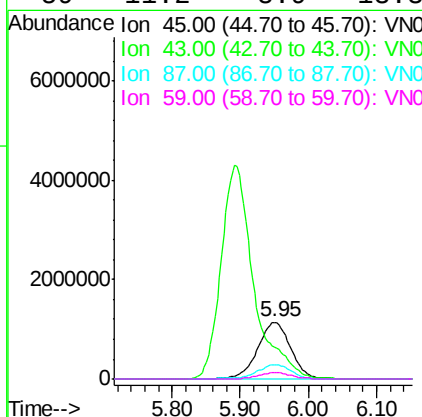
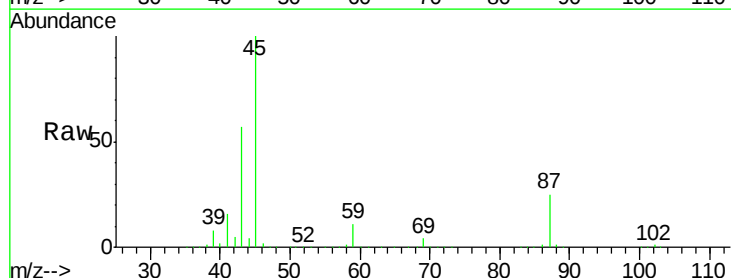
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

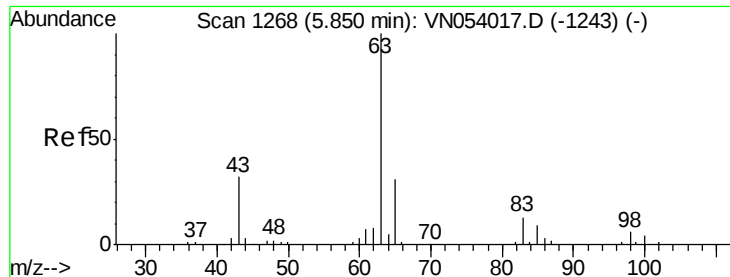
Tot Ion: 96 Resp: 1107355
Ion Ratio Lower Upper
96 100
61 145.2 118.2 177.4
98 64.8 51.4 77.2



#20
Diisopropyl ether
Concen: 155.674 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 45 Resp: 3841813
Ion Ratio Lower Upper
45 100
43 56.4 47.8 71.8
87 25.1 21.3 31.9
59 11.2 8.9 13.3

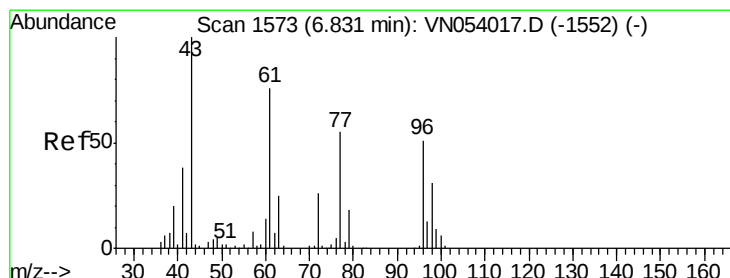
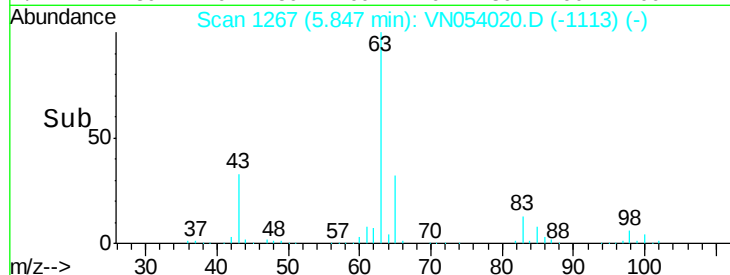
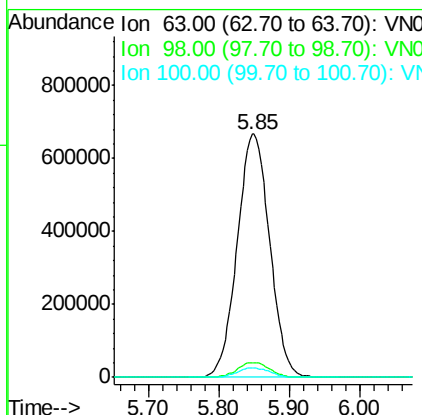
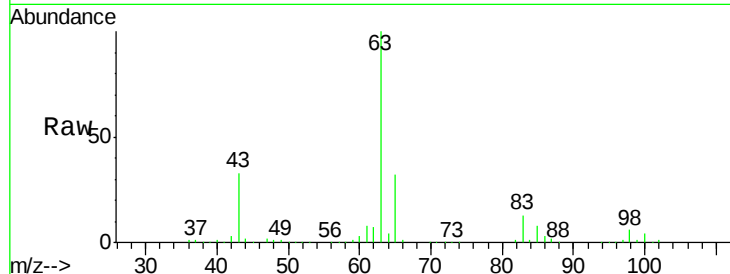




#21
 1,1-Dichloroethane
 Concen: 146.762 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

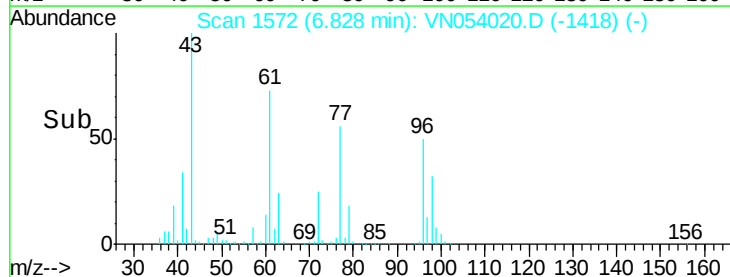
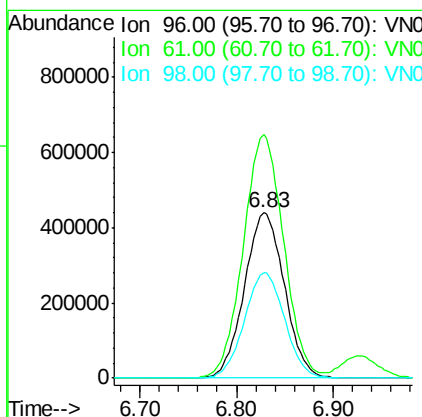
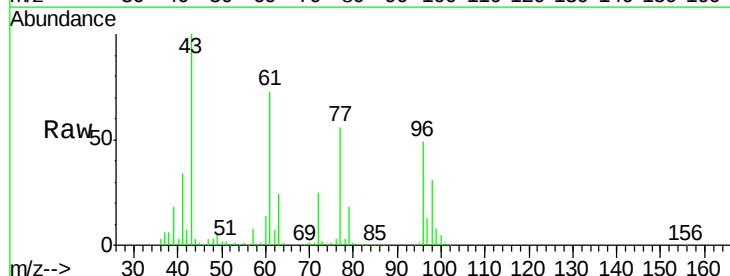
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

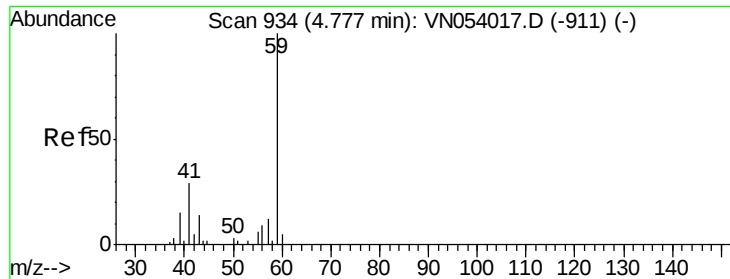
Tot Ion: 63 Resp: 2139021
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 3.9 1.8 5.5



#22
 cis-1,2-Dichloroethene
 Concen: 150.024 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 96 Resp: 1263912
 Ion Ratio Lower Upper
 96 100
 61 148.9 116.7 175.1
 98 64.4 50.8 76.2



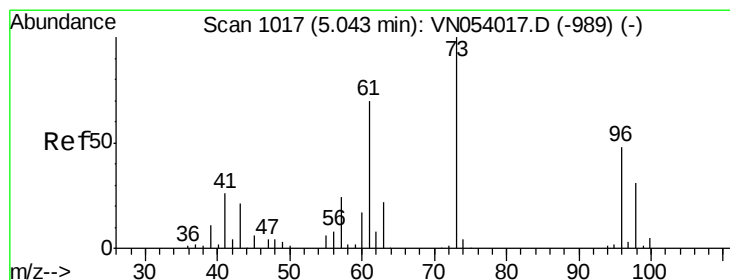
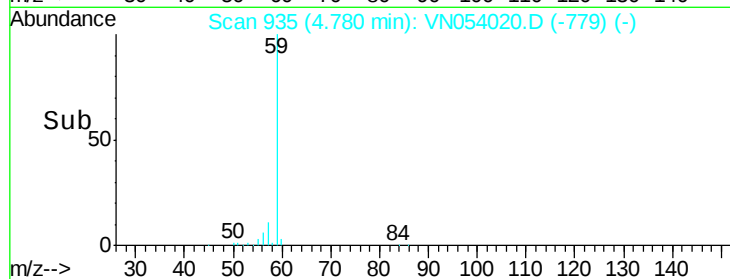
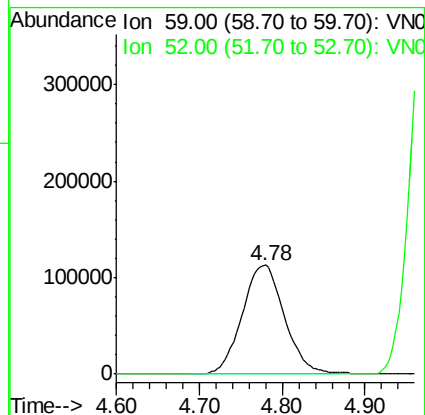
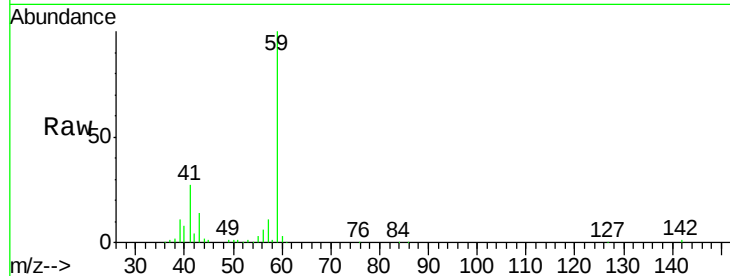


#23

tert-Butyl Alcohol
 Concen: 787.496 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

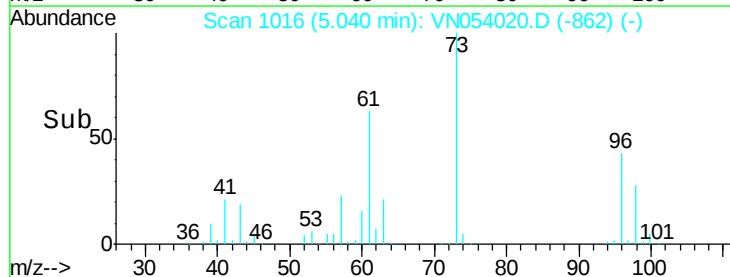
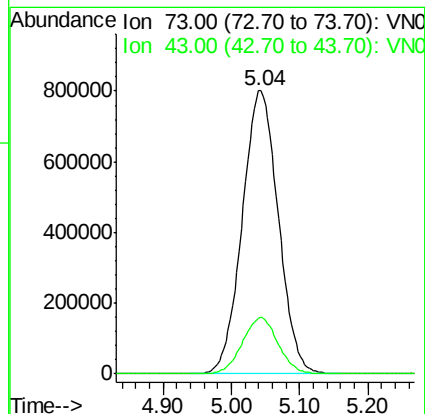
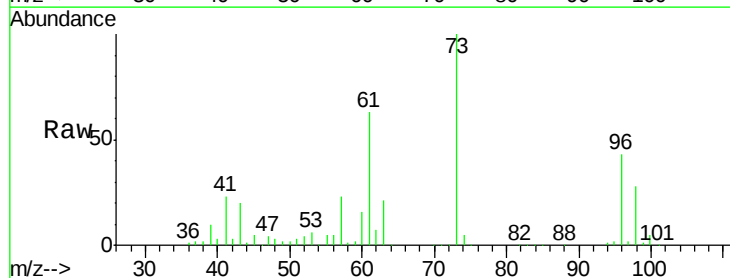
Tot Ion: 59 Resp: 398655
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

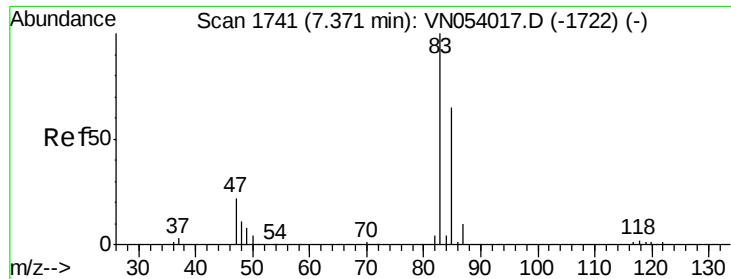


#24

Methyl tert-Butyl Ether
 Concen: 155.668 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 73 Resp: 2939657
 Ion Ratio Lower Upper
 73 100
 43 19.4 15.8 23.8

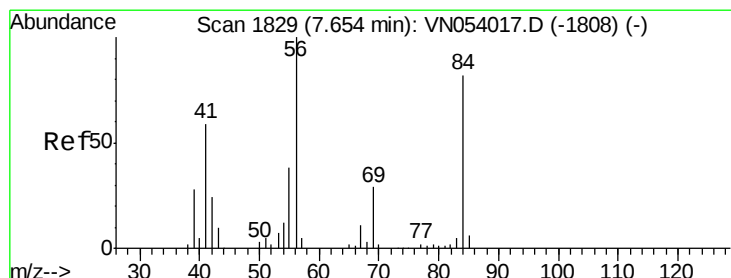
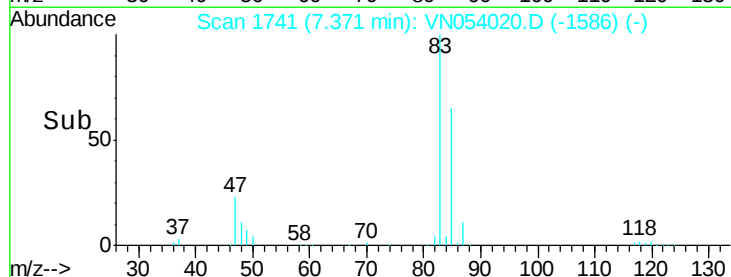
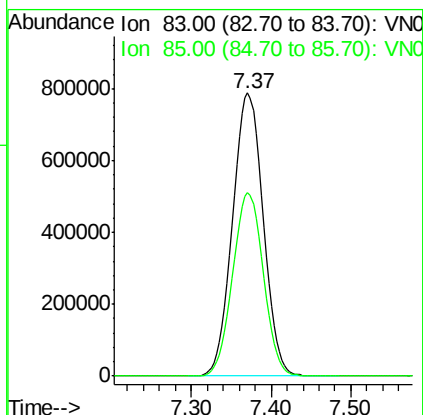
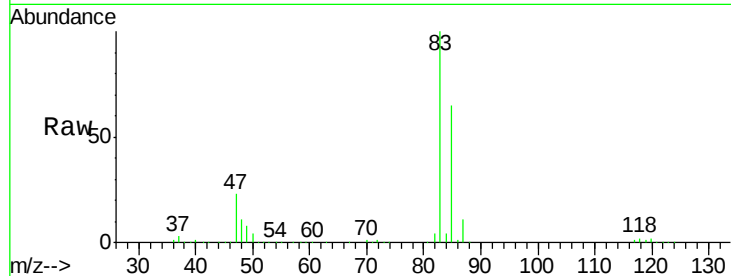




#25
Chloroform
Concen: 145.337 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

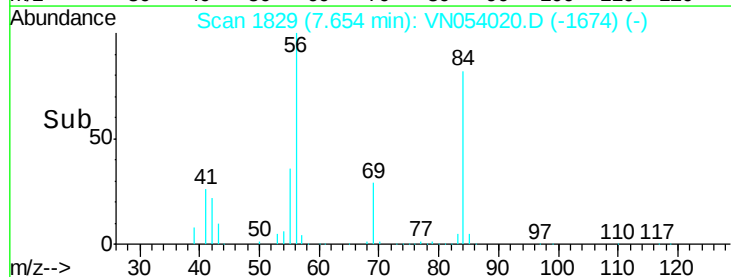
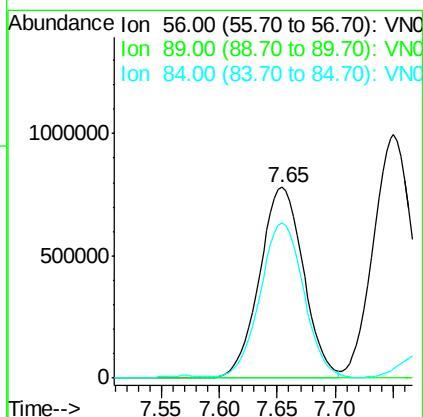
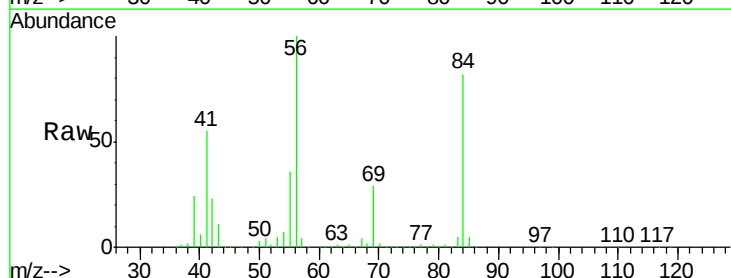
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

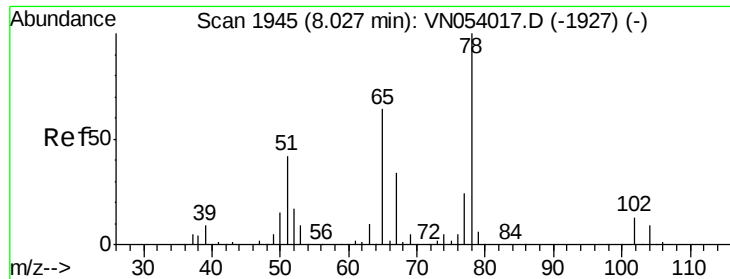
Tot Ion: 83 Resp: 2043809
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5



#26
Cyclohexane
Concen: 154.712 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 56 Resp: 2052135
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 81.3 66.2 99.2

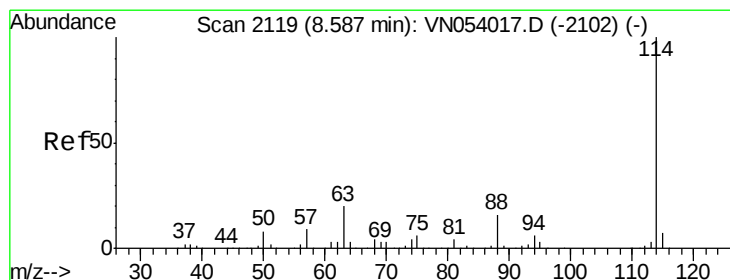
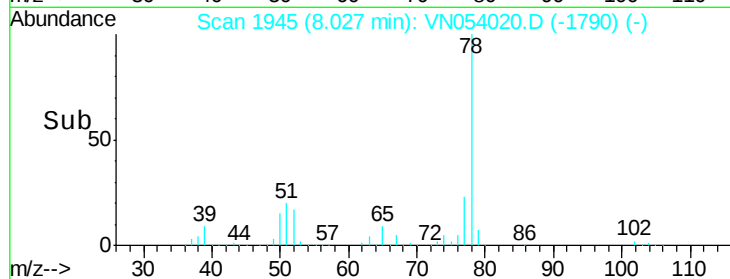
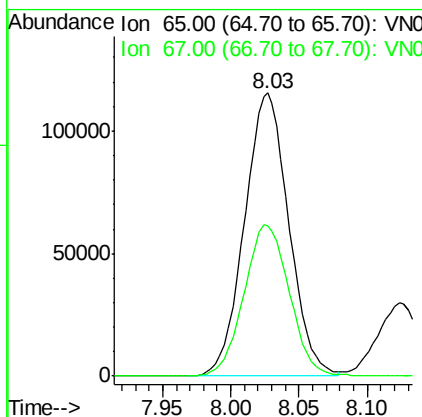
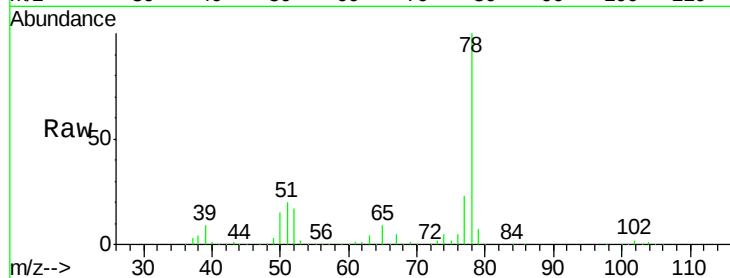




#27
 1,2-Dichloroethane-d4
 Concen: 154.712 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

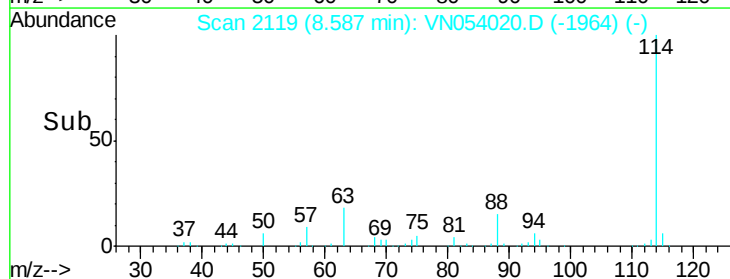
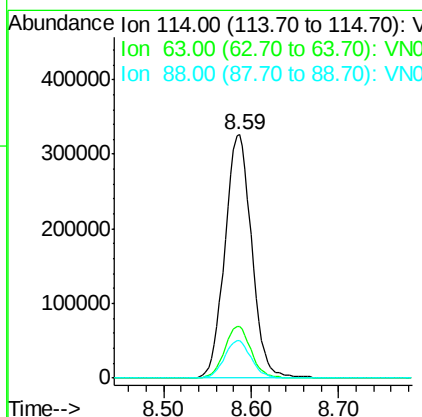
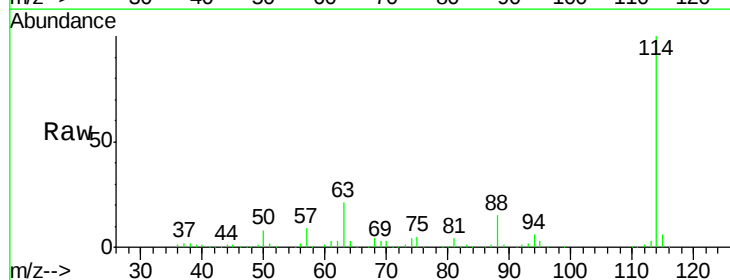
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

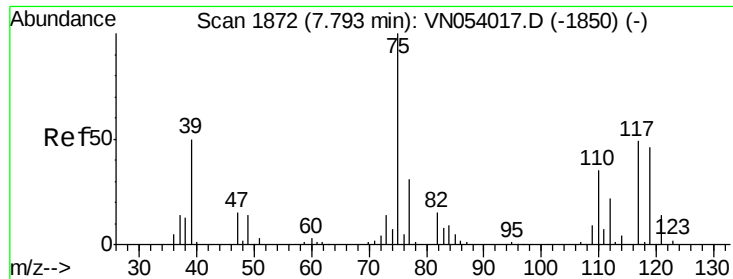
Tot Ion: 65 Resp: 260119
 Ion Ratio Lower Upper
 65 100
 67 54.7 44.6 66.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 114 Resp: 693916
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.9 25.3
 88 15.2 12.8 19.2

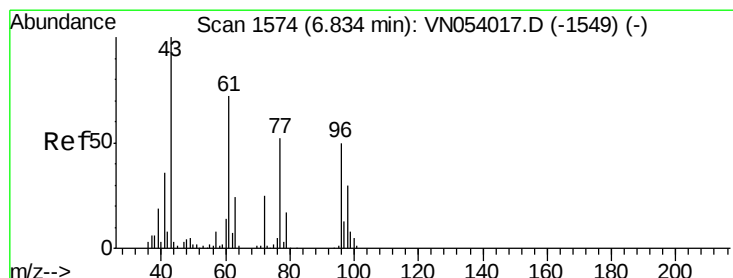
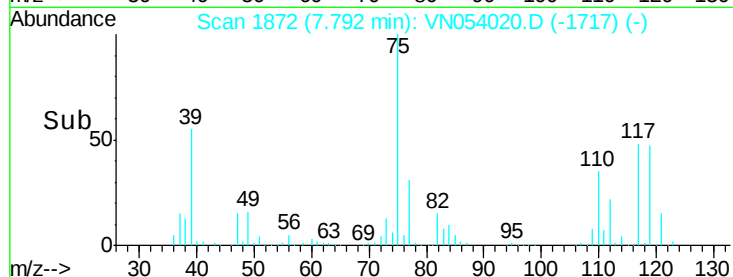
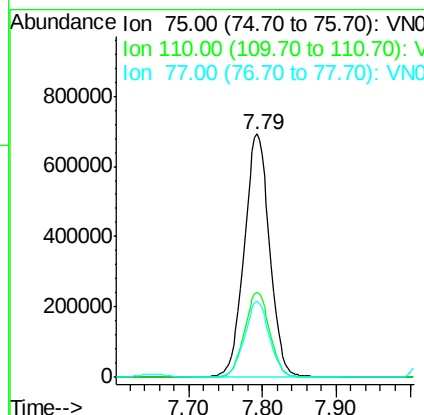
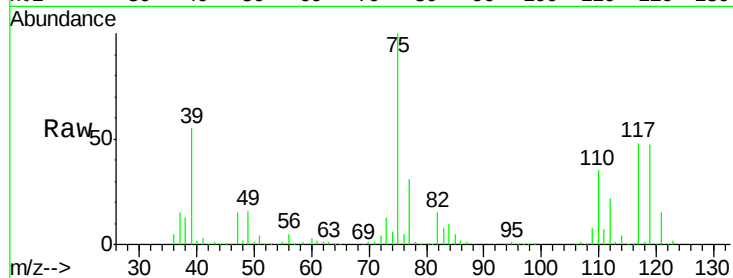




#29
 1,1-Dichloropropene
 Concen: 152.773 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

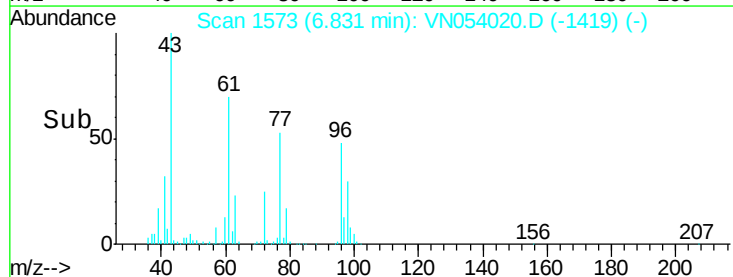
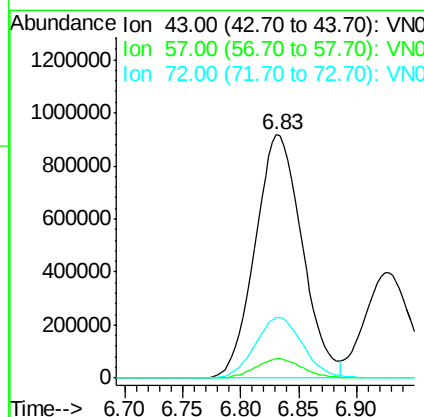
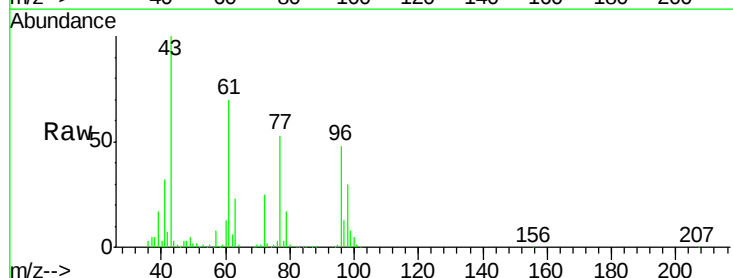
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

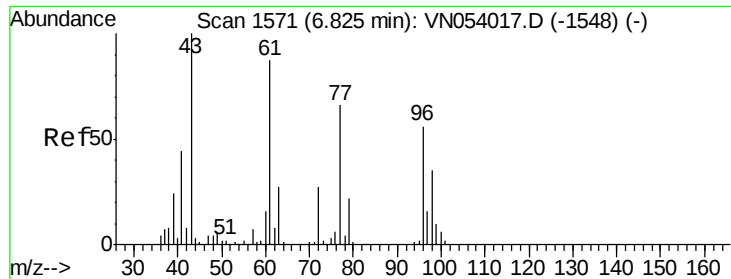
Tot Ion: 75 Resp: 1660537
 Ion Ratio Lower Upper
 75 100
 110 34.8 0.0 70.2
 77 30.7 0.0 62.6



#30
 2-Butanone
 Concen: 753.656 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 43 Resp: 2586450
 Ion Ratio Lower Upper
 43 100
 57 8.0 6.2 9.4
 72 25.4 21.0 31.6





#31

2,2-Dichloropropane

Concen: 148.880 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

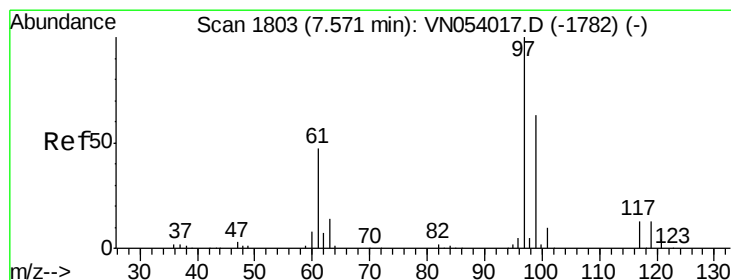
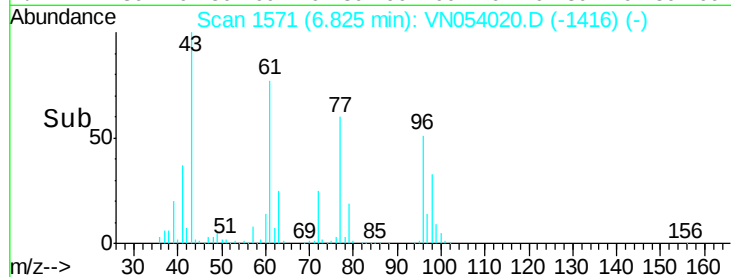
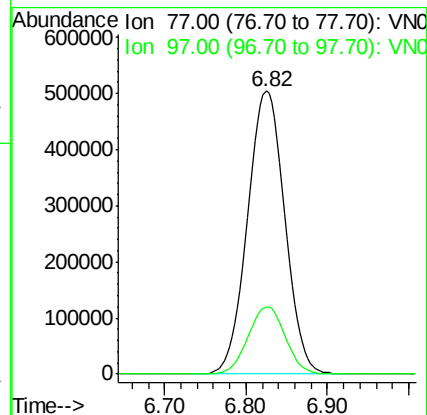
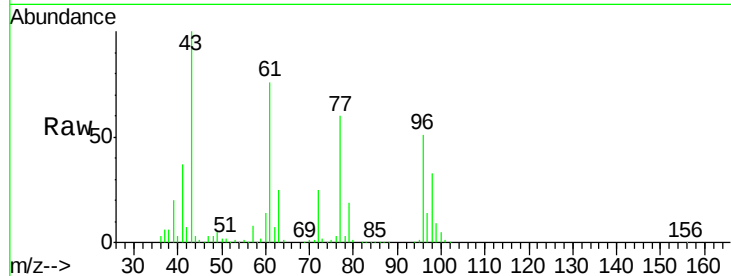
VSTDIC150

Tot Ion: 77 Resp: 1595655

Ion Ratio Lower Upper

77 100

97 23.6 18.7 28.1



#32

1,1,1-Trichloroethane

Concen: 148.898 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

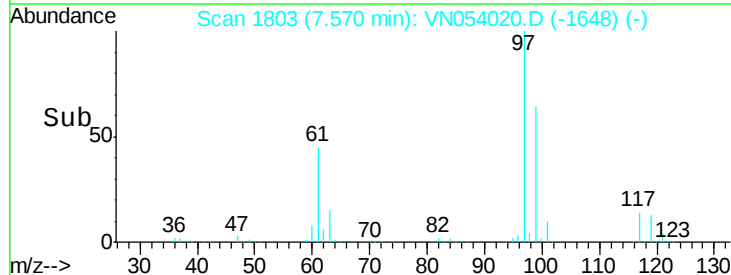
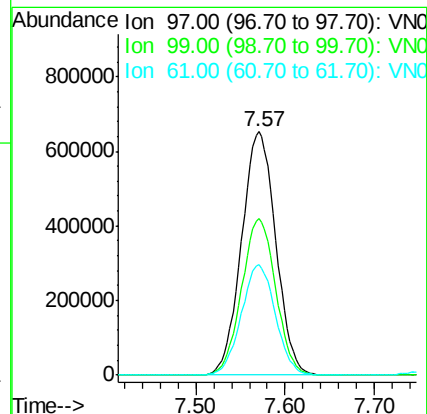
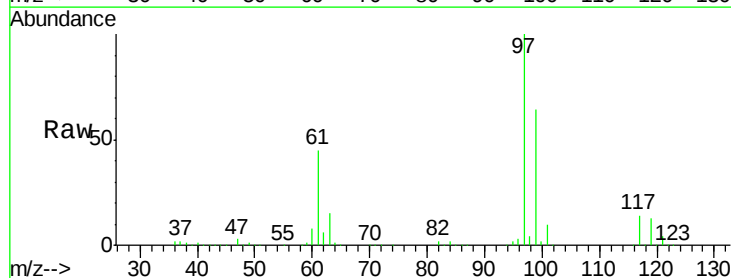
Tgt Ion: 97 Resp: 1740795

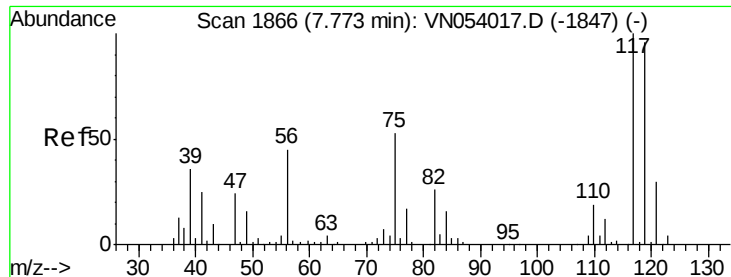
Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

61 45.2 38.1 57.1





#33

Carbon Tetrachloride

Concen: 149.998 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

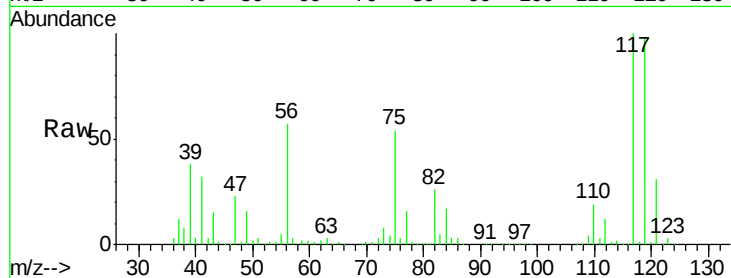
Tot Ion:117 Resp: 1552699

Ion Ratio Lower Upper

117 100

119 97.8 77.3 115.9

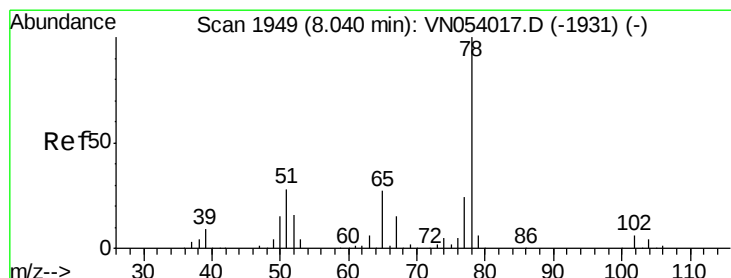
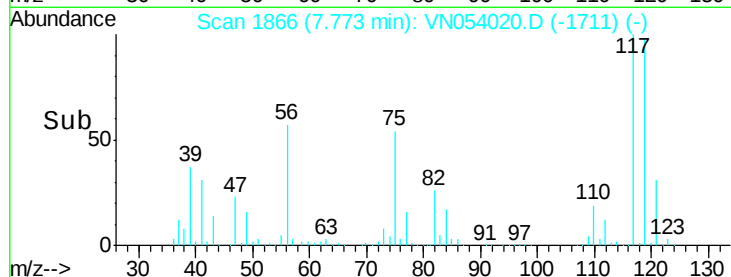
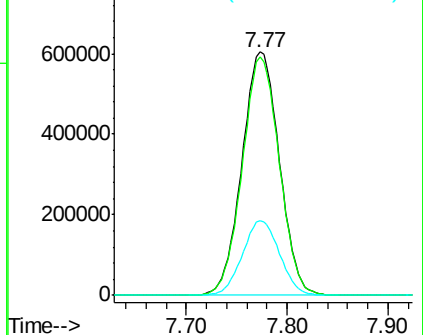
121 30.7 24.9 37.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 150.017 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

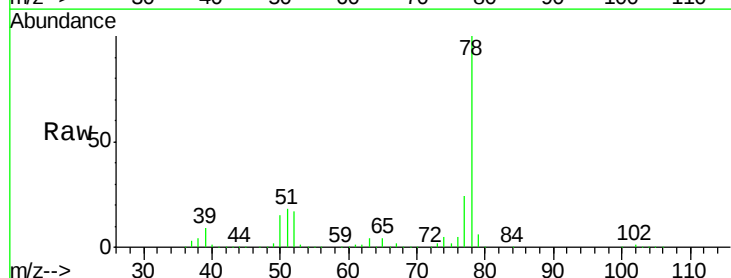
Tgt Ion: 78 Resp: 4846036

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

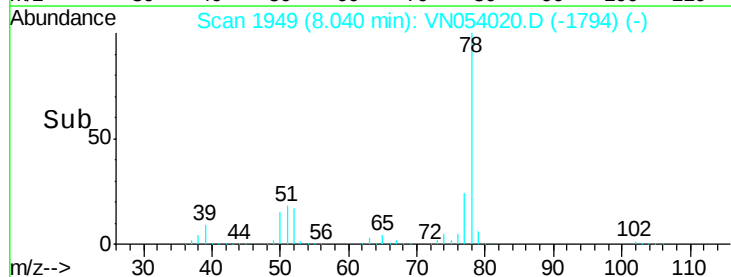
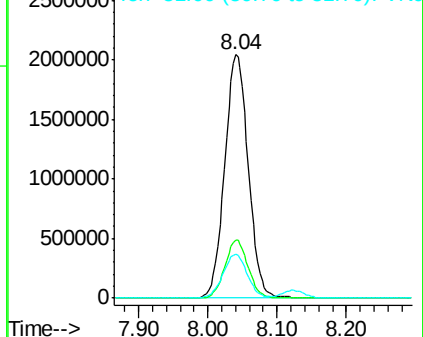
51 18.0 20.5 30.7#

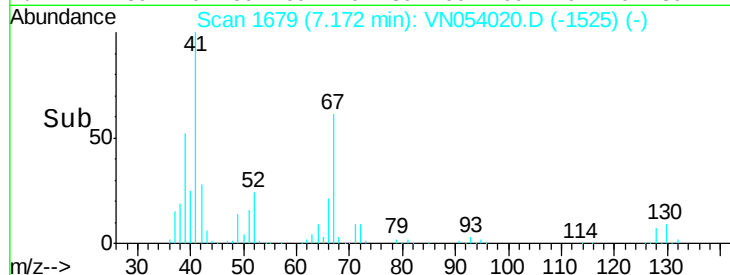
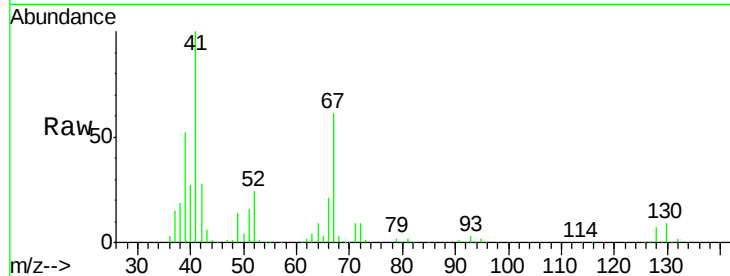
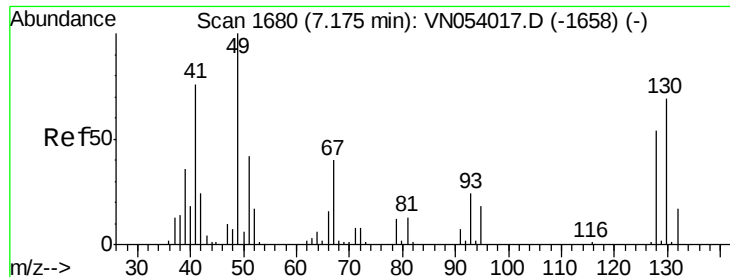


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

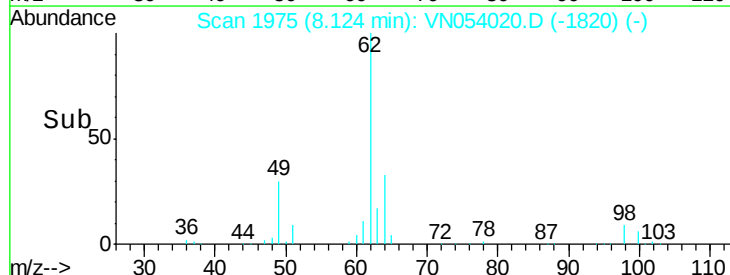
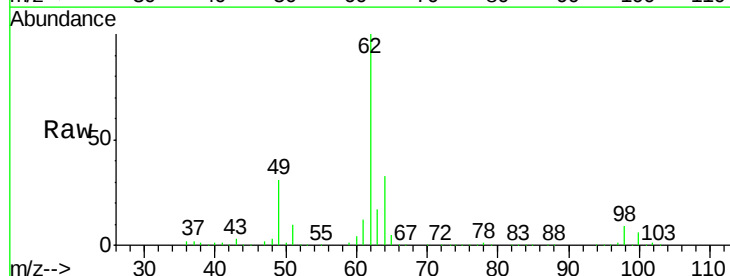
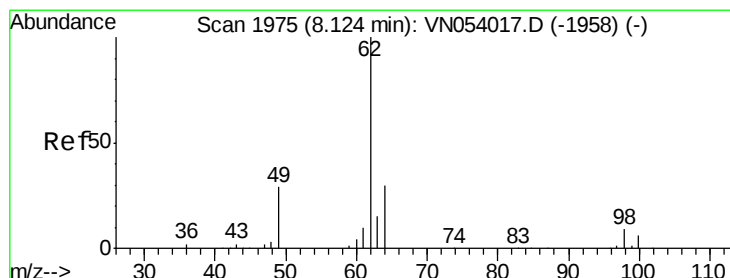
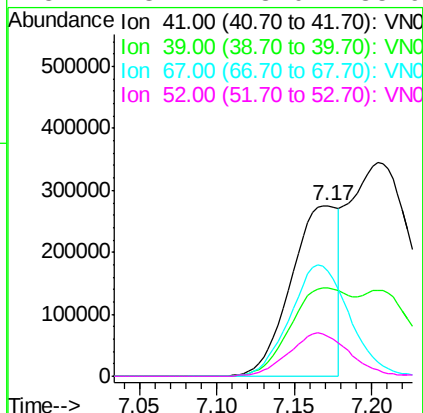




#35
Methacrylonitrile
Concen: 150.311 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

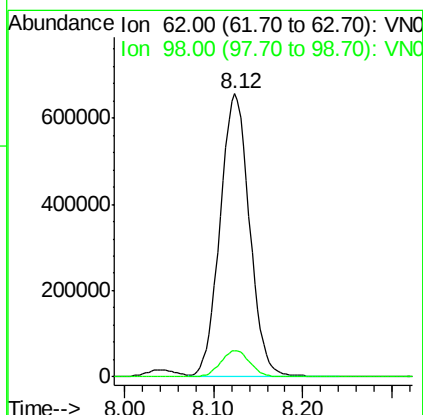
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

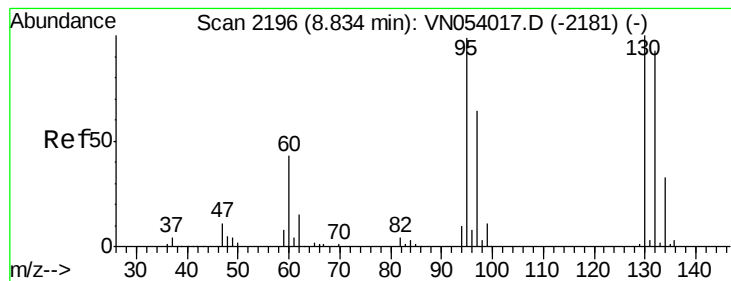
Tot Ion: 41 Resp: 576790
Ion Ratio Lower Upper
41 100
39 51.7 26.6 79.7
67 61.5 32.3 96.9
52 23.4 13.0 38.9



#36
1,2-Dichloroethane
Concen: 144.692 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 62 Resp: 1500883
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2





#37

Trichloroethene

Concen: 148.244 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

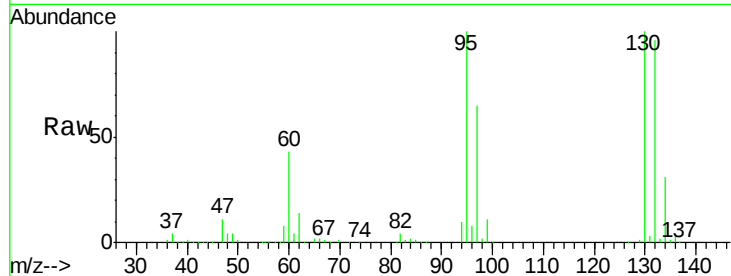
VSTDIC150

Tot Ion:130 Resp: 1250047

Ion Ratio Lower Upper

130 100

95 99.7 81.0 121.4



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

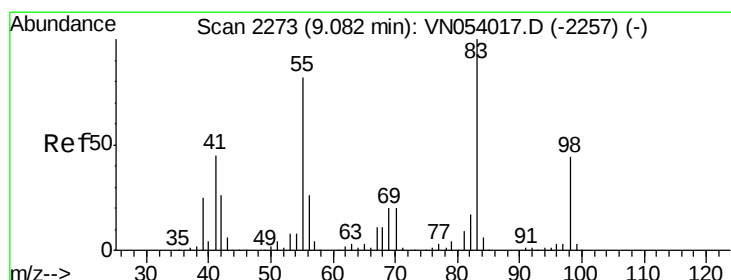
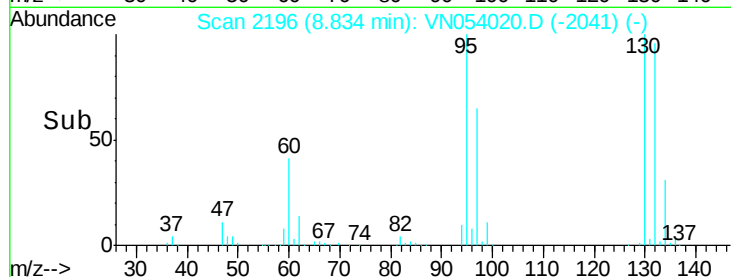
600000

400000

200000

0

Time--> 8.70 8.80 8.90 9.00



#38

Methylcyclohexane

Concen: 158.856 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

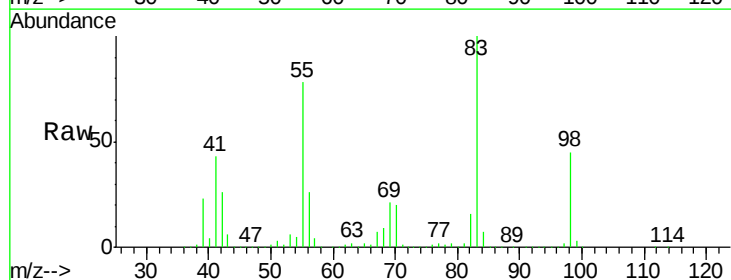
Tgt Ion: 83 Resp: 2037925

Ion Ratio Lower Upper

83 100

55 78.4 39.8 119.4

98 45.1 22.9 68.5



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

1200000

1000000

800000

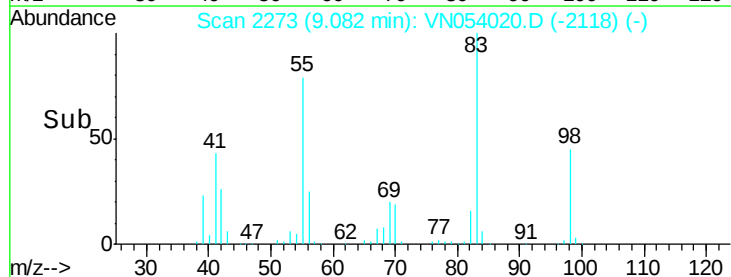
600000

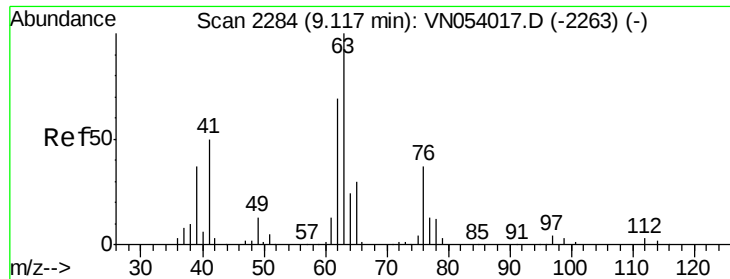
400000

200000

0

Time--> 9.00 9.10 9.20

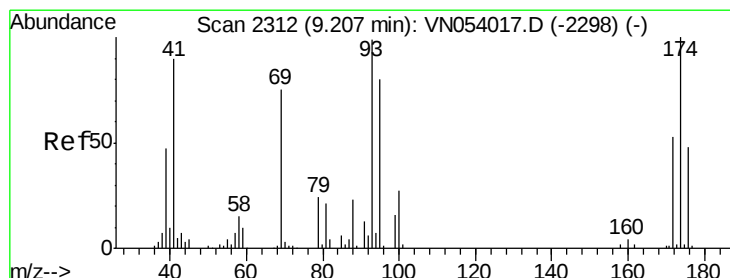
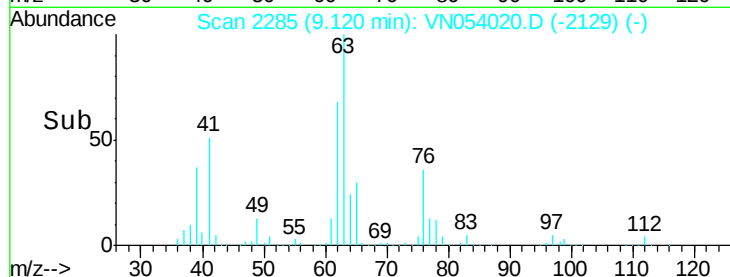
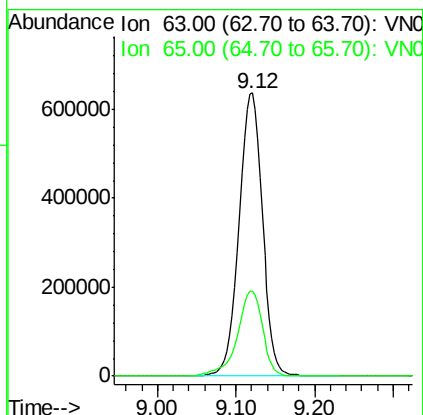
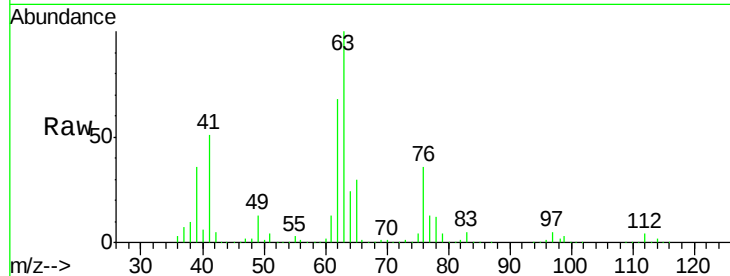




#39
 1,2-Dichloropropane
 Concen: 150.331 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

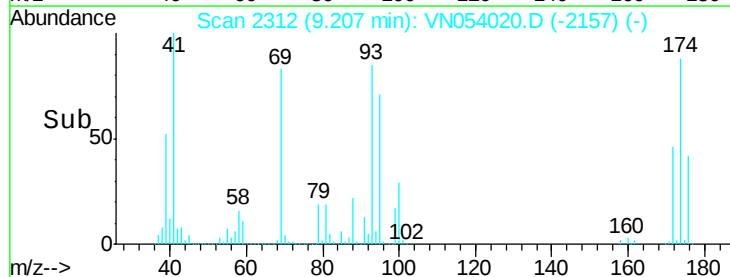
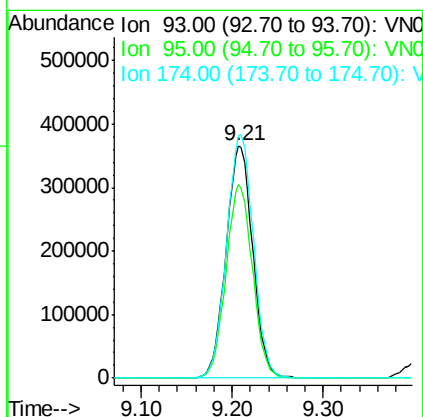
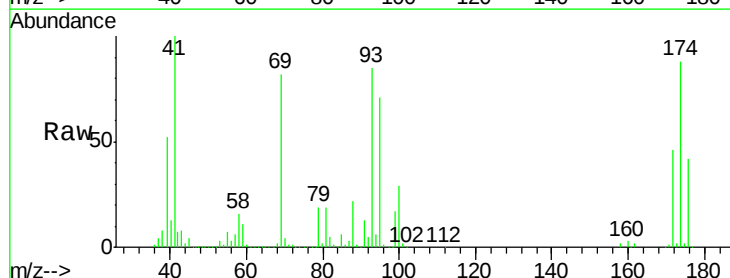
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

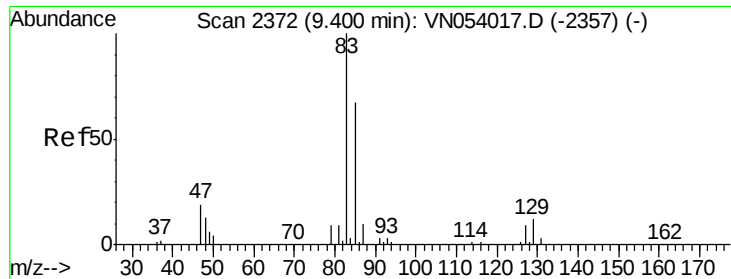
Tot Ion: 63 Resp: 1330346
 Ion Ratio Lower Upper
 63 100
 65 30.1 23.6 35.4



#40
 Dibromomethane
 Concen: 146.992 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 93 Resp: 745720
 Ion Ratio Lower Upper
 93 100
 95 82.8 0.0 168.4
 174 105.4 0.0 210.0





#41

Bromodichloromethane

Concen: 150.008 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

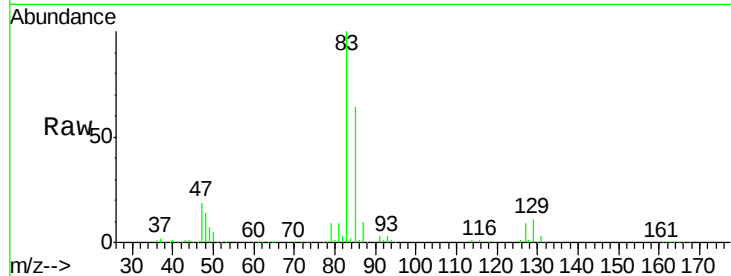
Tot Ion: 83 Resp: 1614711

Ion Ratio Lower Upper

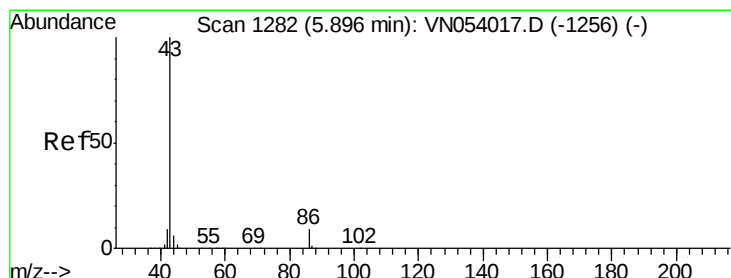
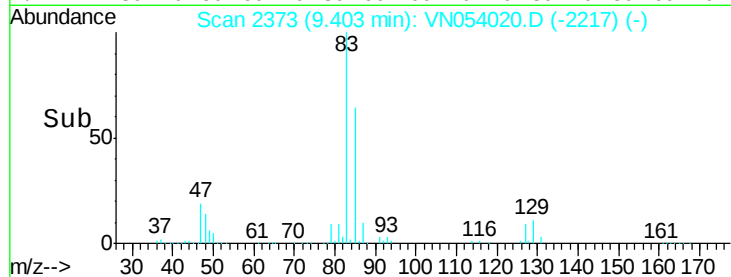
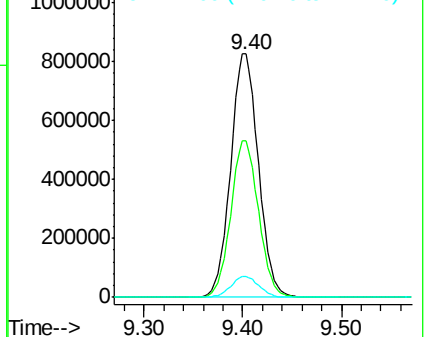
83 100

85 64.2 52.4 78.6

127 8.6 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 85.00 (84.70 to 85.70): VNO
Ion 127.00 (126.70 to 127.70): VNO



#42

Vinyl Acetate

Concen: 807.193 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VN054020.D

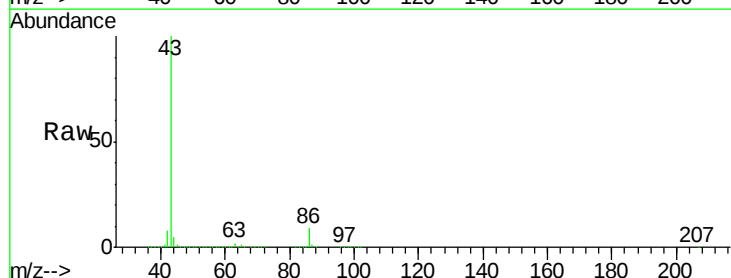
Acq: 1 Mar 2019 10:50

Tgt Ion: 43 Resp: 14311415

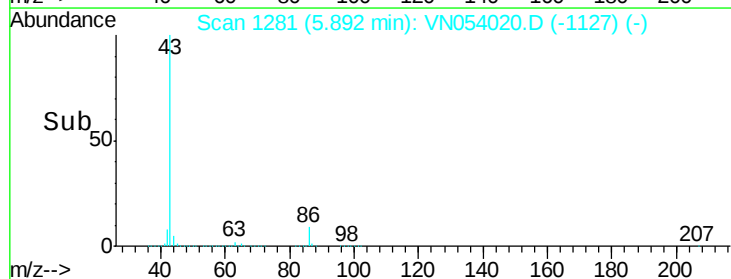
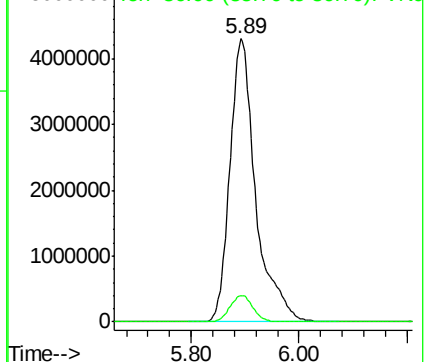
Ion Ratio Lower Upper

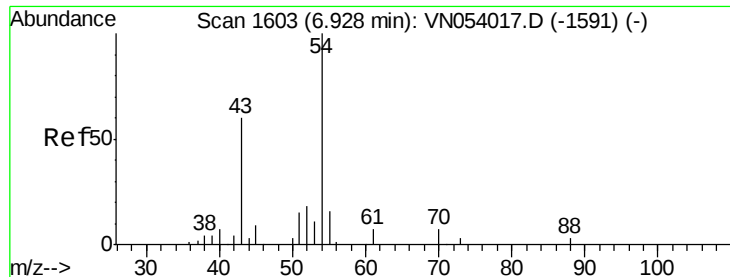
43 100

86 8.4 6.5 9.7



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





#43

Ethyl Acetate

Concen: 157.131 ug/l

RT: 6.92 min Scan# 1602

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

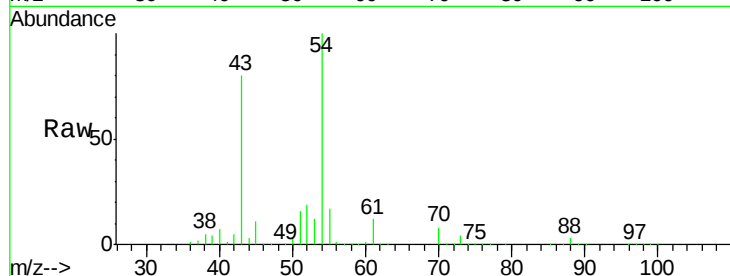
VSTDIC150

Tot Ion: 43 Resp: 1129507

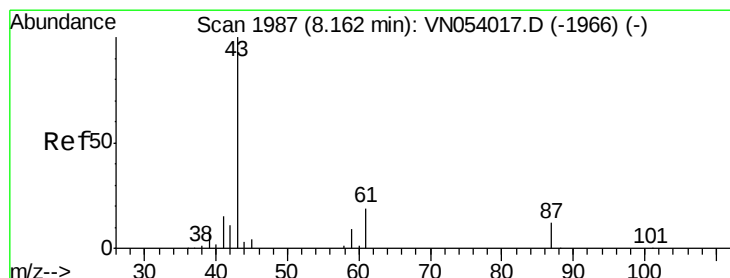
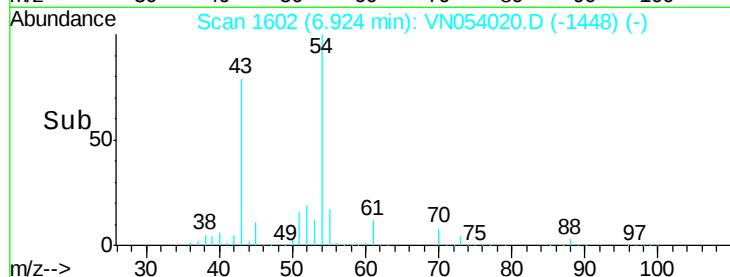
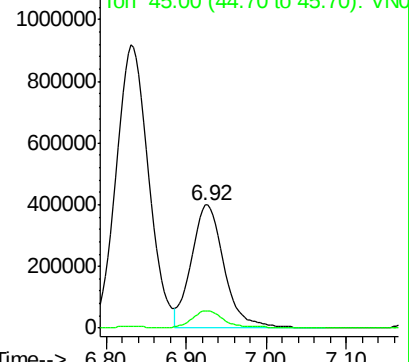
Ion Ratio Lower Upper

43 100

45 13.1 1.0 1.6#



Abundance Ion 43.00 (42.70 to 43.70): VN054017.D (-1591) (-)



#44

Isopropyl Acetate

Concen: 157.857 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN054020.D

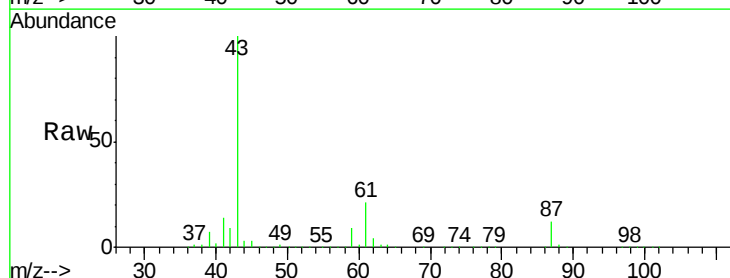
Acq: 1 Mar 2019 10:50

Tgt Ion: 43 Resp: 1991129

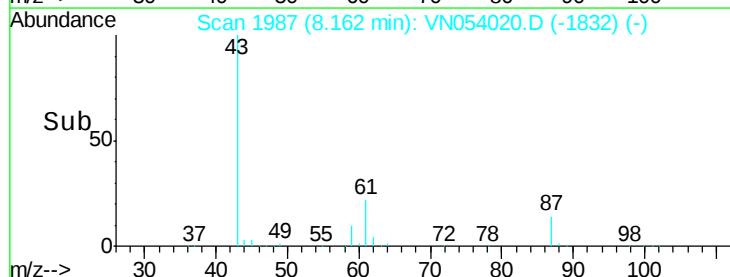
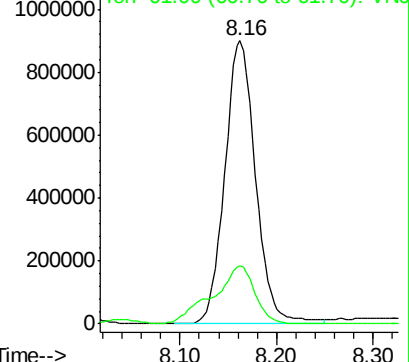
Ion Ratio Lower Upper

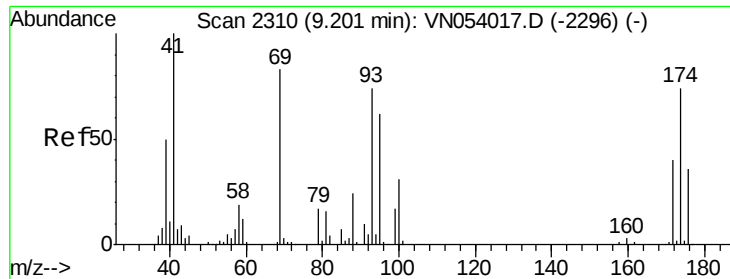
43 100

61 27.9 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN054017.D (-1966) (-)

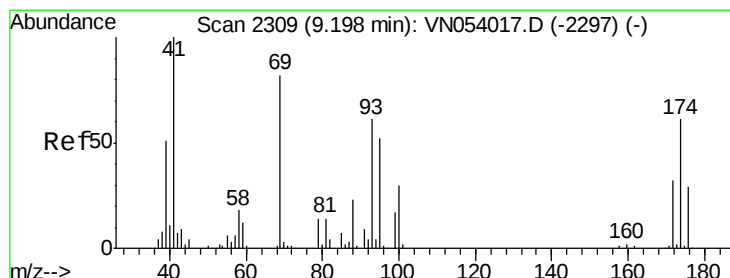
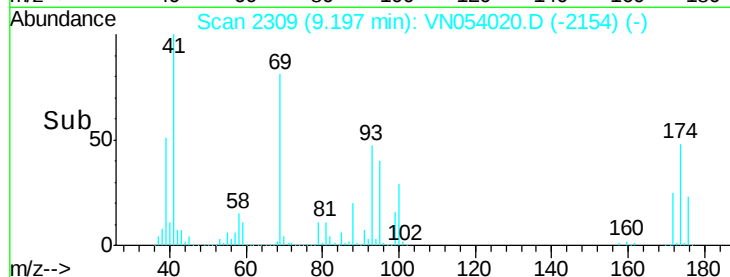
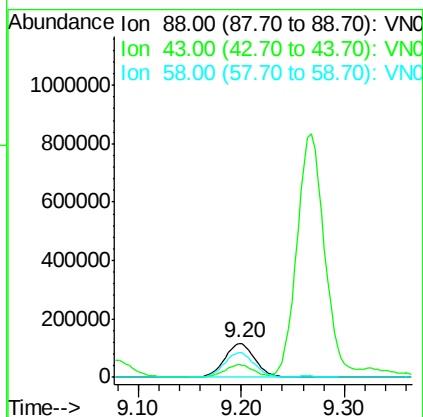
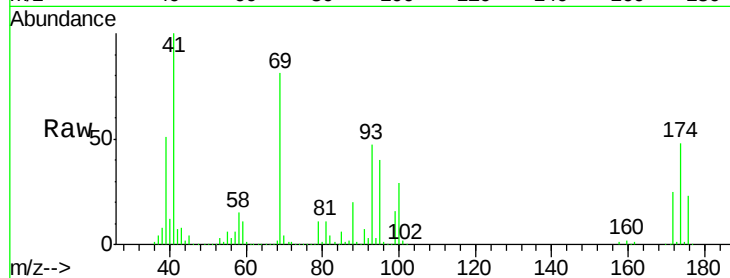




#45
 1,4-Dioxane
 Concen: 3015.107 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

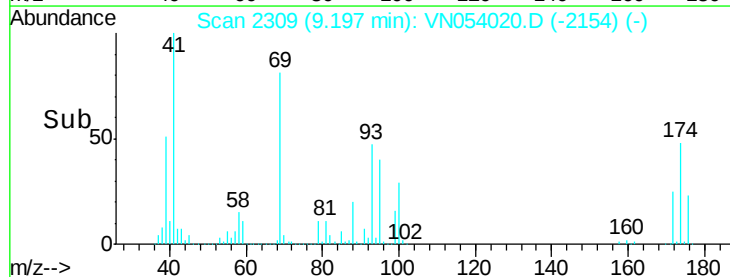
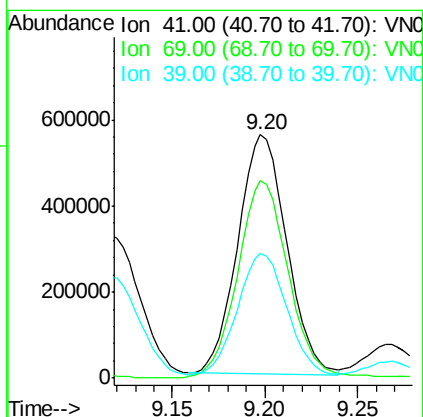
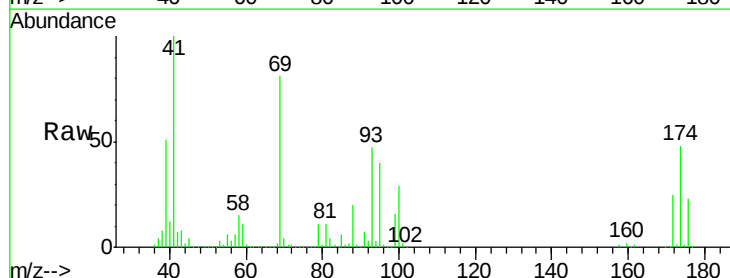
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

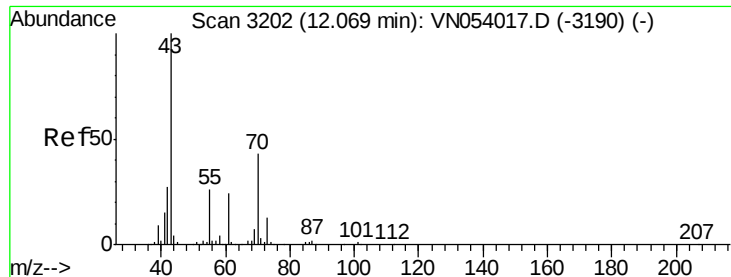
Tot Ion: 88 Resp: 238316
 Ion Ratio Lower Upper
 88 100
 43 34.0 29.5 44.3
 58 72.9 61.5 92.3



#46
 Methyl methacrylate
 Concen: 167.829 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 41 Resp: 1016819
 Ion Ratio Lower Upper
 41 100
 69 82.4 42.5 127.6
 39 50.8 26.3 78.9

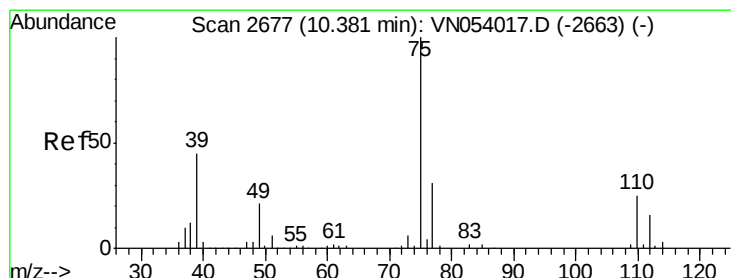
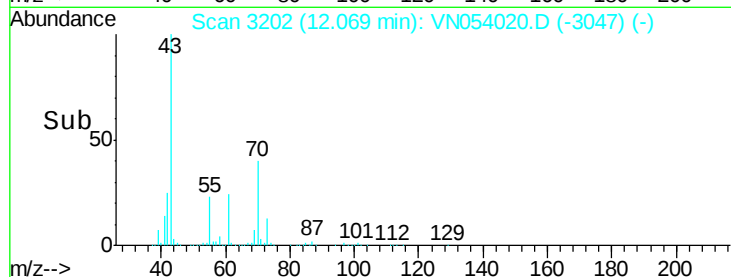
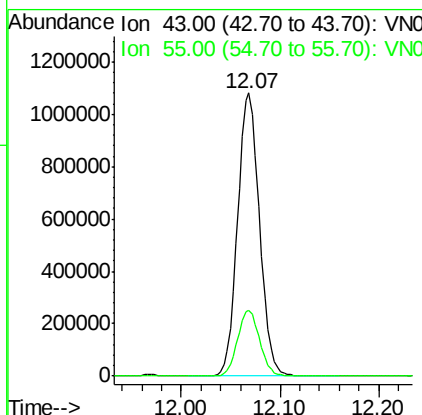
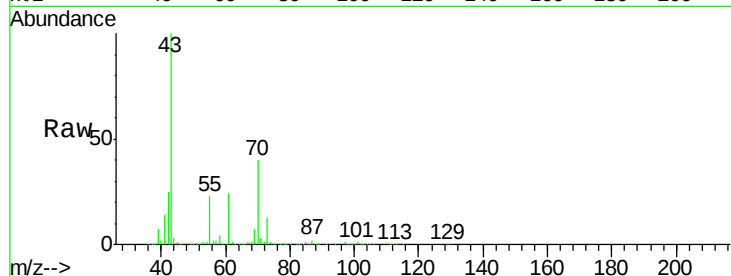




#47
n-amvl Acetate
Concen: 179.075 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

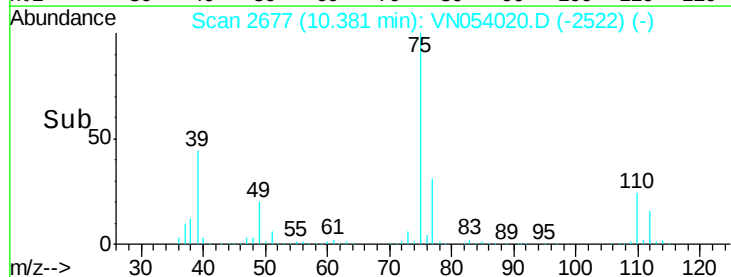
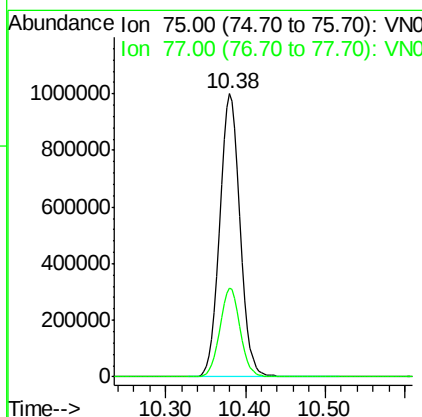
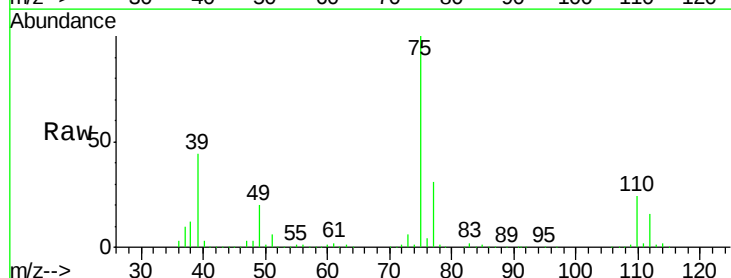
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

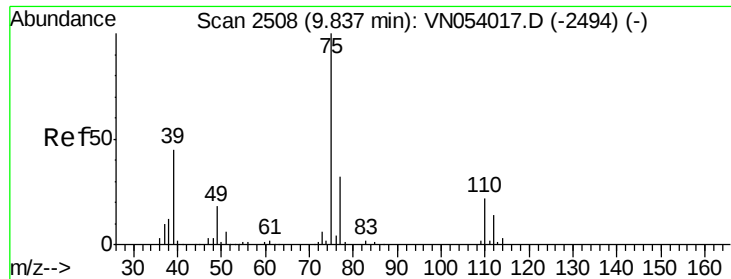
Tot Ion: 43 Resp: 1659267
Ion Ratio Lower Upper
43 100
55 23.6 21.1 31.7



#48
t-1,3-Dichloropropene
Concen: 163.351 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 75 Resp: 1763018
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4



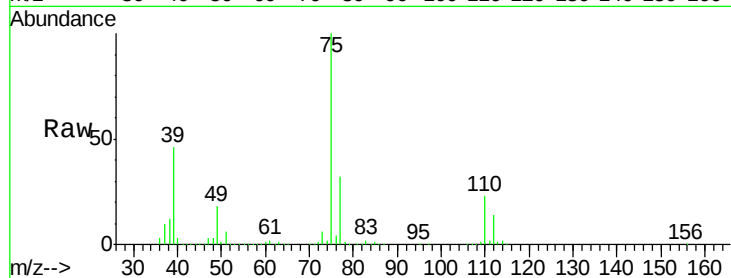


#49

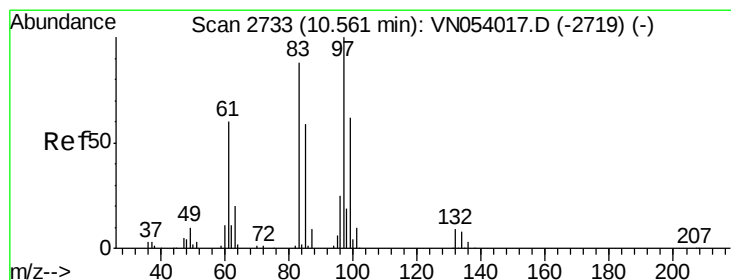
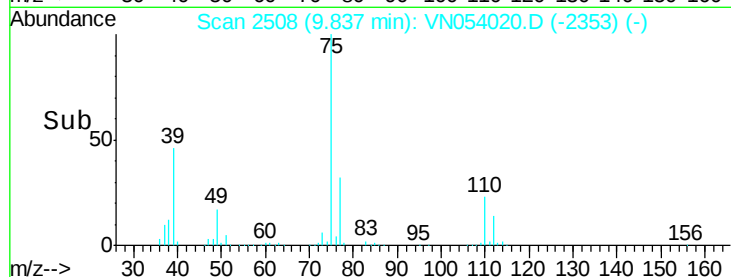
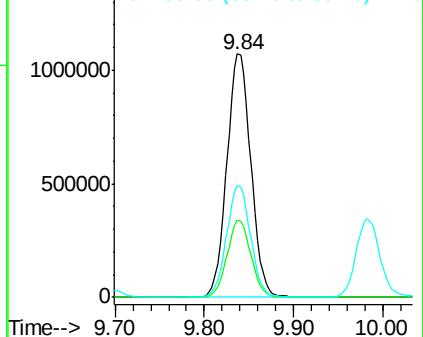
cis-1,3-Dichloropropene
Concen: 157.725 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tot Ion: 75 Resp: 1998920
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.0
39 45.9 37.3 55.9



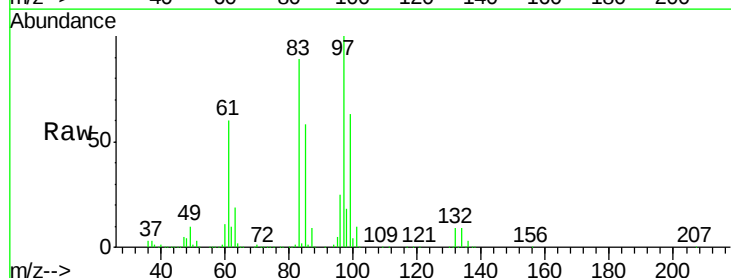
Abundance Ion 75.00 (74.70 to 75.70): VNO
Ion 77.00 (76.70 to 77.70): VNO
Ion 39.00 (38.70 to 39.70): VNO



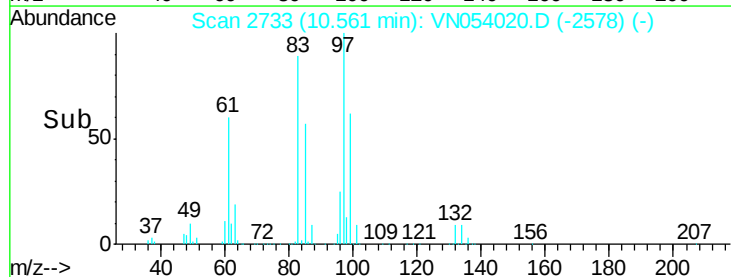
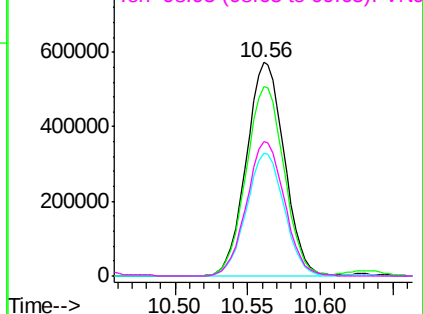
#50

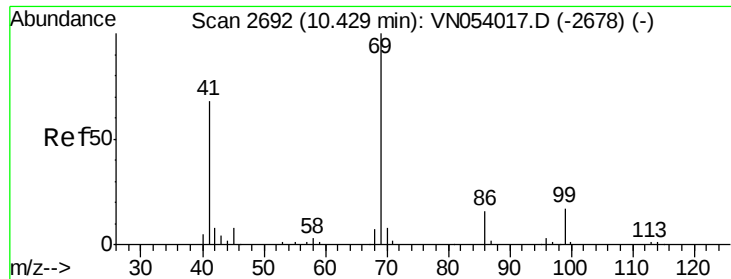
1,1,2-Trichloroethane
Concen: 146.894 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 97 Resp: 1045348
Ion Ratio Lower Upper
97 100
83 88.8 70.4 105.6
85 57.5 45.0 67.6
99 62.8 50.2 75.2



Abundance Ion 97.00 (96.70 to 97.70): VNO
Ion 82.95 (82.65 to 83.65): VNO
Ion 84.95 (84.65 to 85.65): VNO
Ion 98.95 (98.65 to 99.65): VNO





#51

Ethyl methacrylate

Concen: 169.933 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

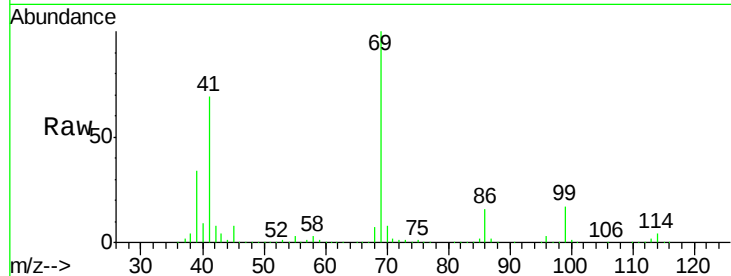
Tot Ion: 69 Resp: 1455783

Ion Ratio Lower Upper

69 100

41 68.8 34.4 103.3

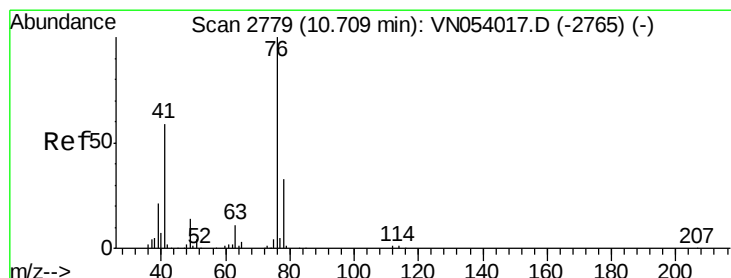
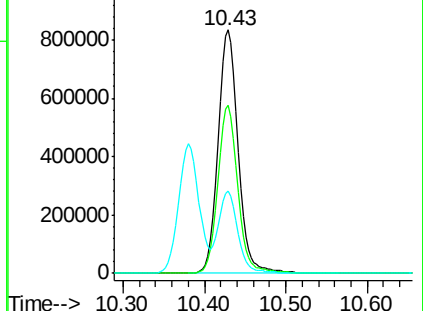
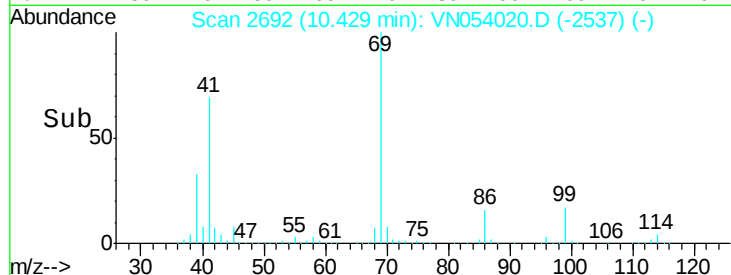
39 33.5 16.4 49.2



Abundance Ion 69.00 (68.70 to 69.70): VN054020.D (-2537) (-)

Ion 41.00 (40.70 to 41.70): VN054020.D (-2537) (-)

Ion 39.00 (38.70 to 39.70): VN054020.D (-2537) (-)



#52

1,3-Dichloropropane

Concen: 150.358 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054020.D

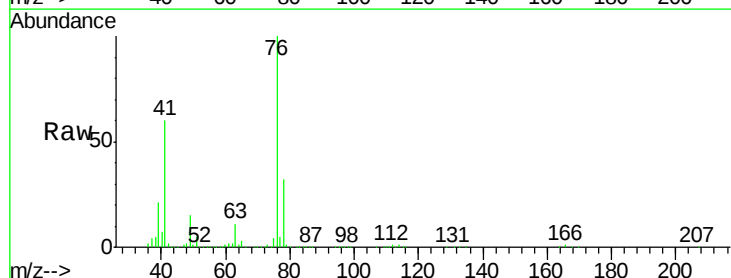
Acq: 1 Mar 2019 10:50

Tgt Ion: 76 Resp: 1836400

Ion Ratio Lower Upper

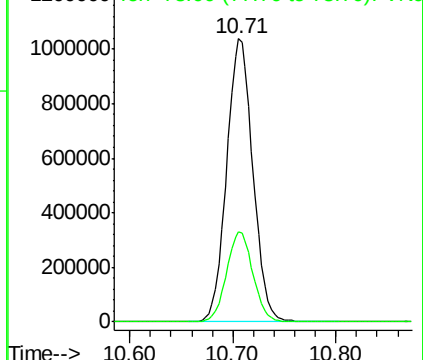
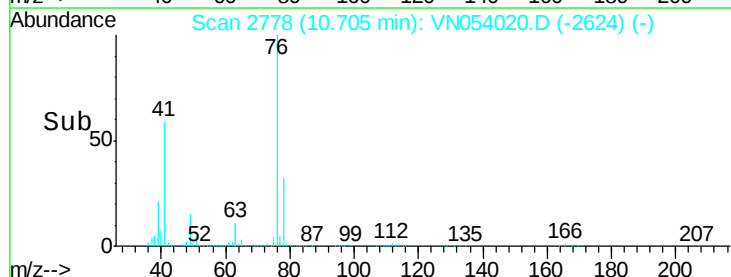
76 100

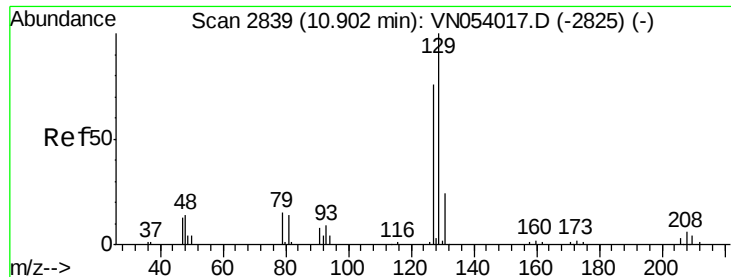
78 32.0 0.0 64.8



Abundance Ion 76.00 (75.70 to 76.70): VN054020.D (-2624) (-)

Ion 78.00 (77.70 to 78.70): VN054020.D (-2624) (-)

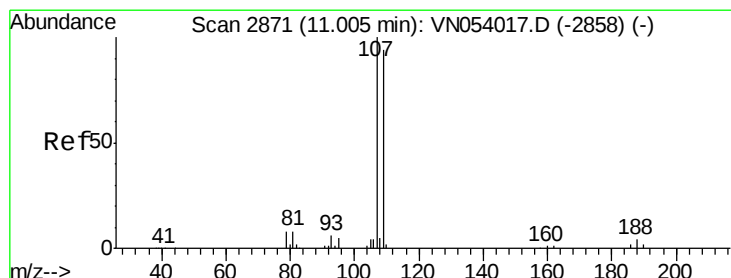
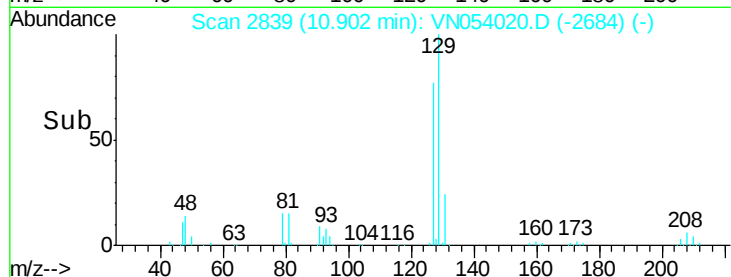
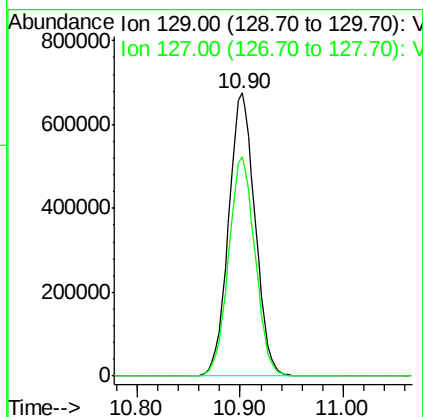
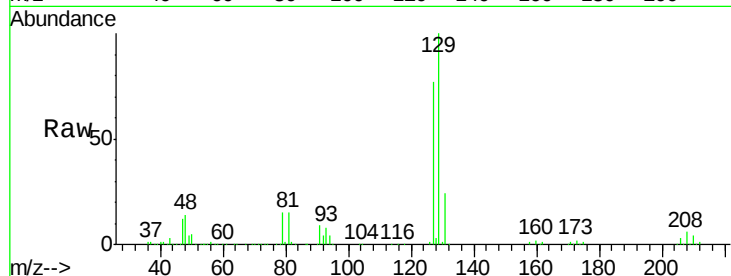




#53
 Dibromochloromethane
 Concen: 154.736 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

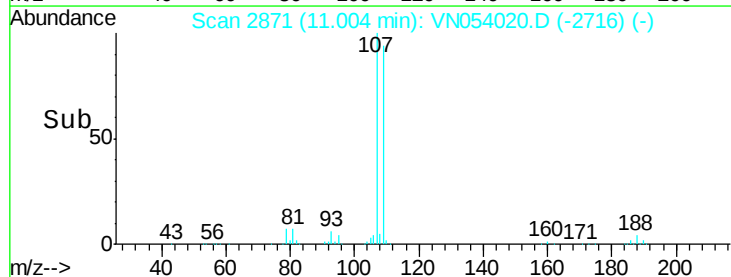
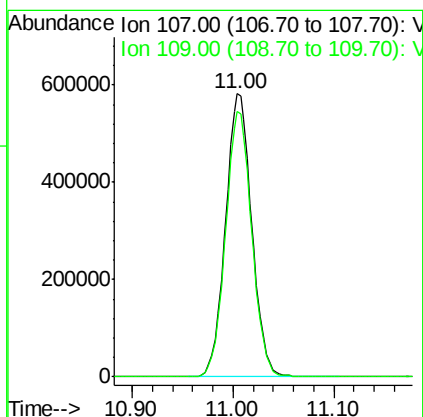
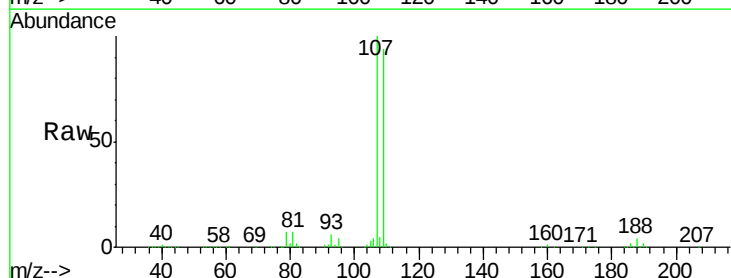
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

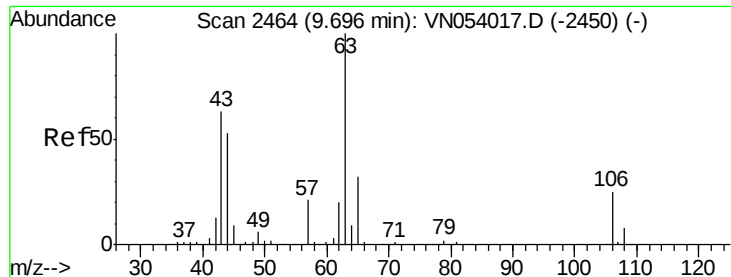
Tot Ion:129 Resp: 1209974
 Ion Ratio Lower Upper
 129 100
 127 77.3 37.6 112.8



#54
 1,2-Dibromoethane
 Concen: 155.428 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion:107 Resp: 1053615
 Ion Ratio Lower Upper
 107 100
 109 93.8 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 867.825 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

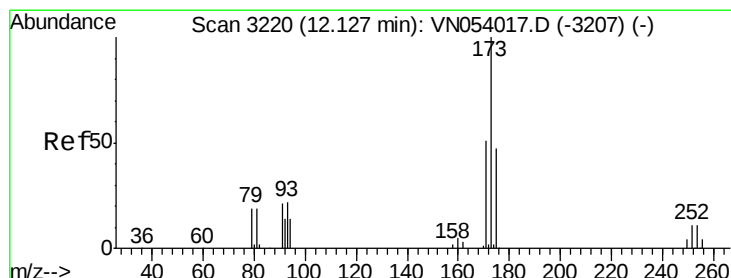
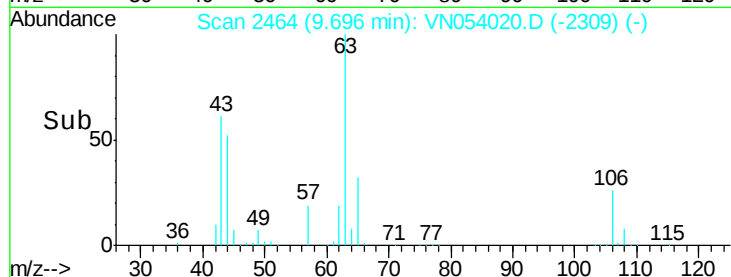
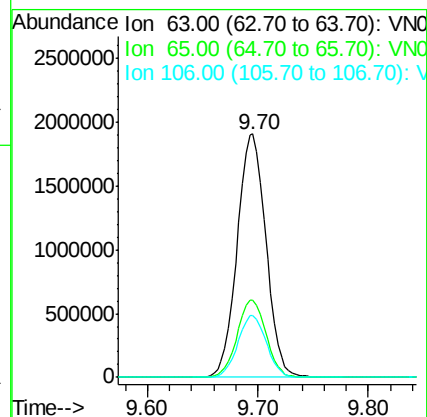
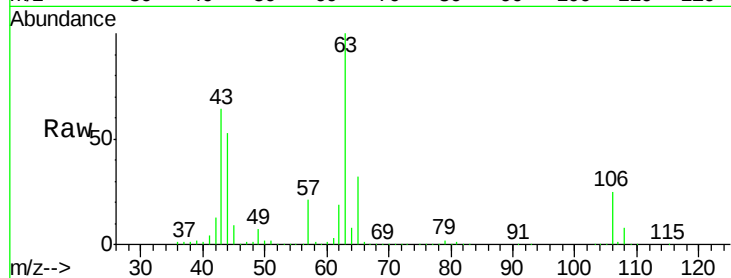
Tot Ion: 63 Resp: 3450054

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2

106 25.3 20.4 30.6



#56

Bromoform

Concen: 163.014 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

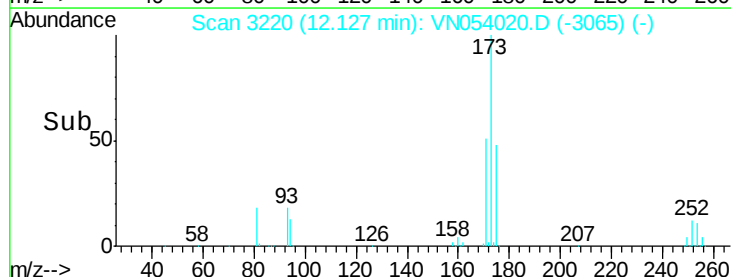
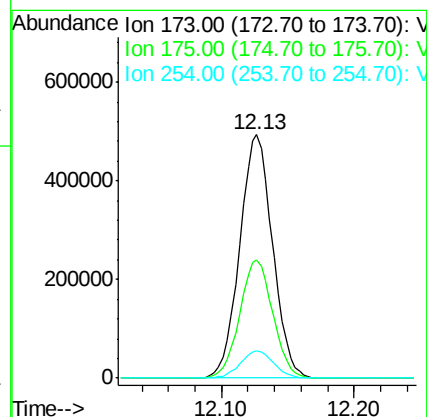
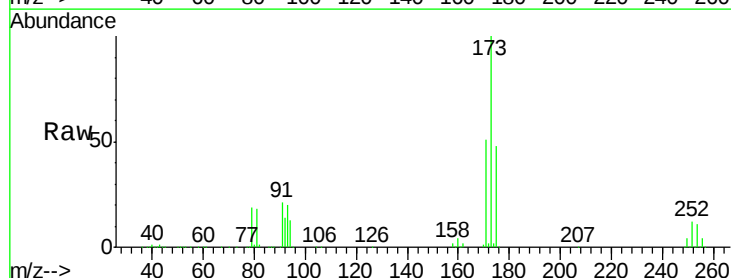
Tgt Ion: 173 Resp: 846383

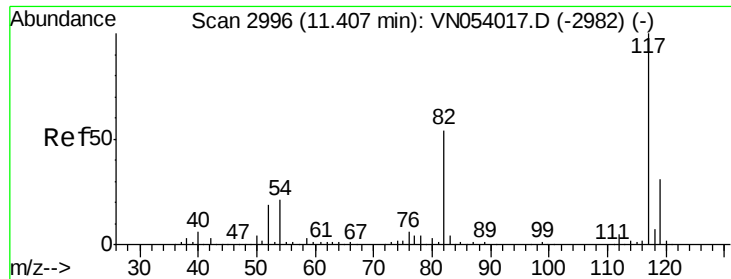
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 11.3 8.4 12.6

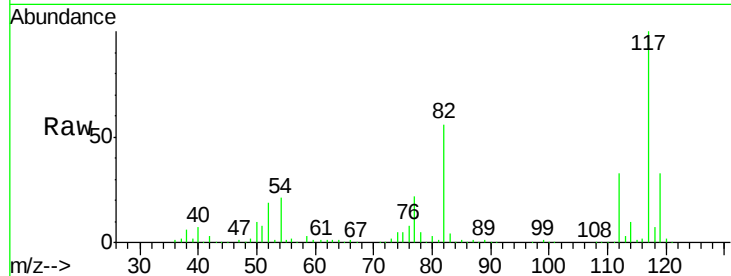




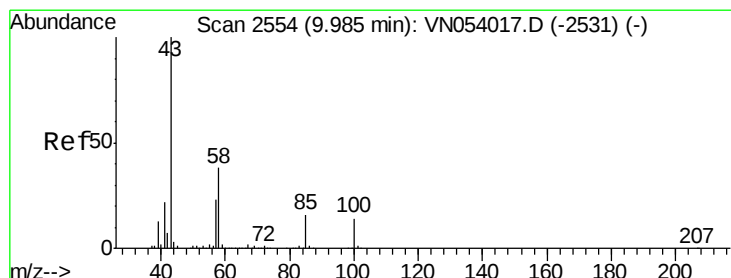
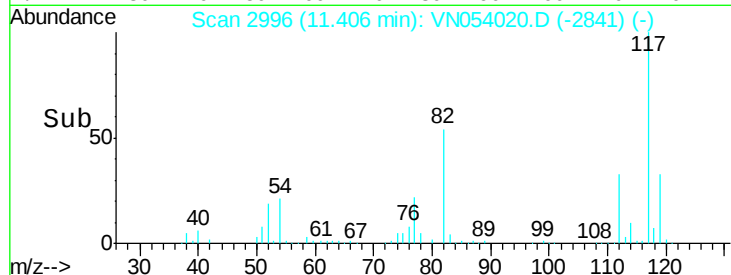
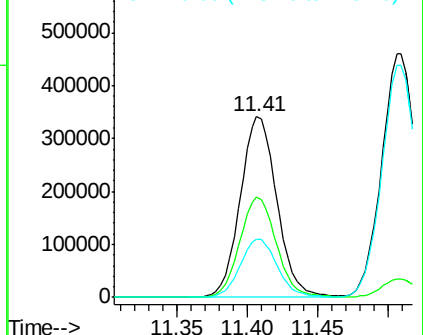
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:117 Resp: 622815
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 32.5 25.4 38.2

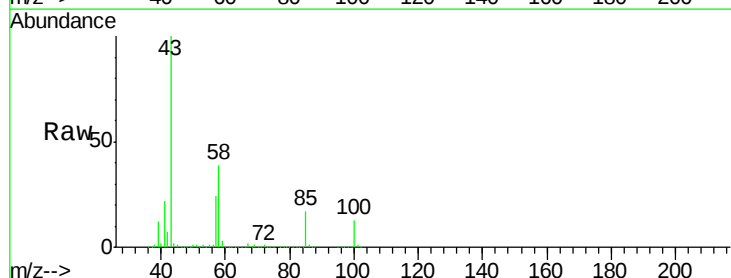


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

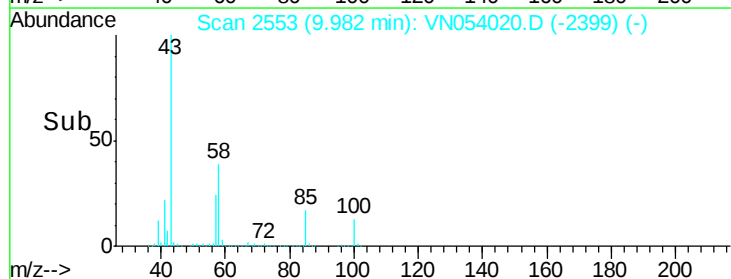
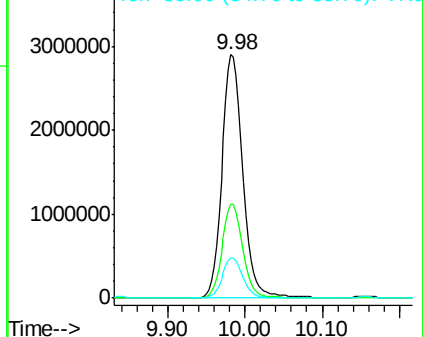


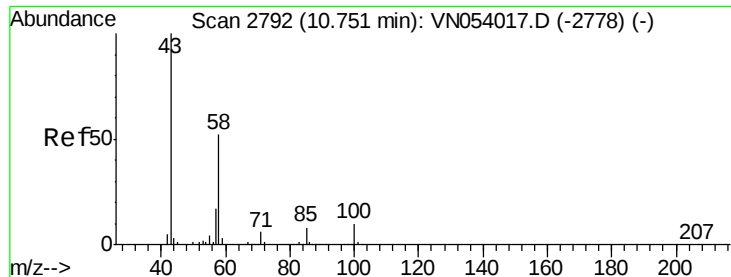
#58
4-Methyl-2-Pentanone
Concen: 776.675 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 43 Resp: 5450671
Ion Ratio Lower Upper
43 100
58 38.4 31.6 47.4
85 16.5 13.3 19.9



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V

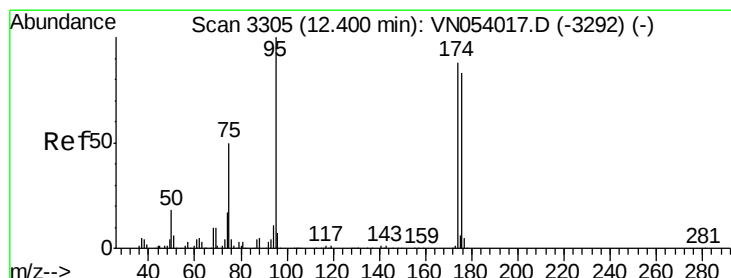
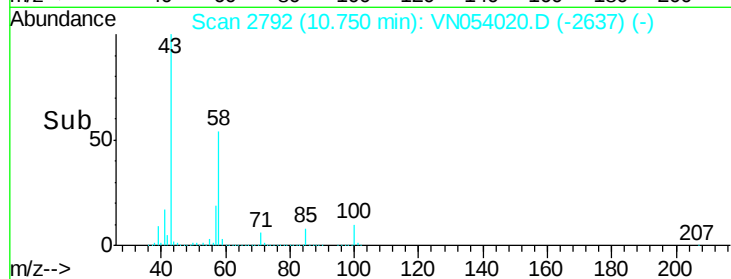
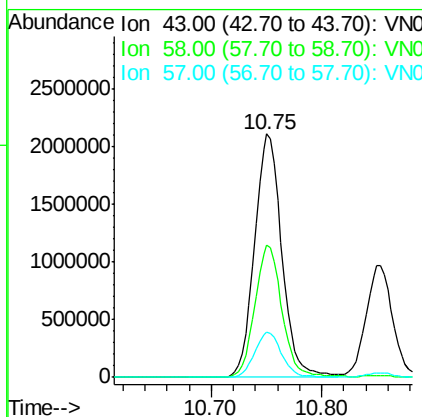
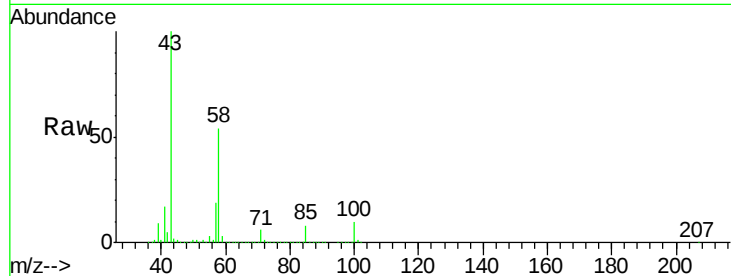




#59
2-Hexanone
Concen: 790.419 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

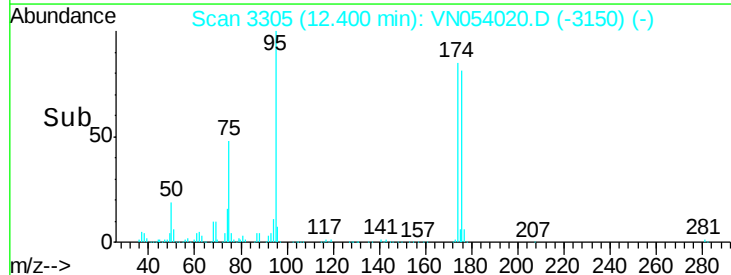
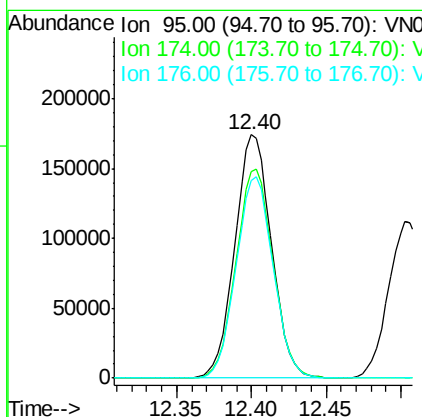
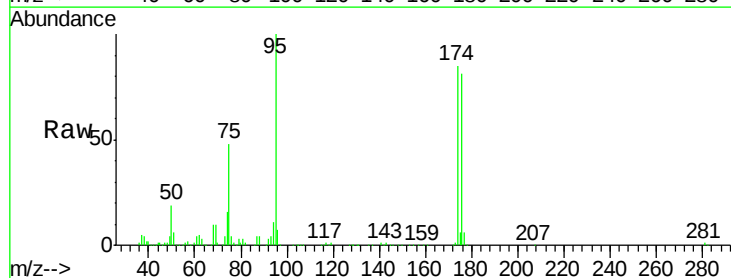
Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

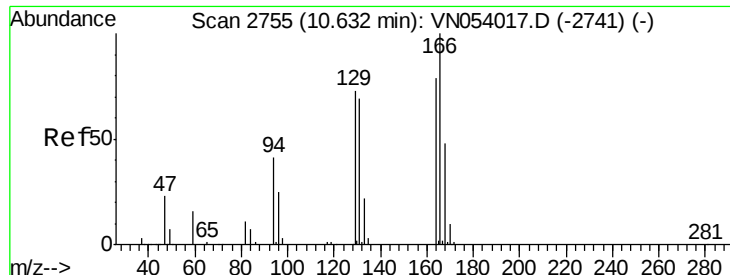
Tot Ion: 43 Resp: 3624226
Ion Ratio Lower Upper
43 100
58 54.1 43.2 64.8
57 18.5 14.9 22.3



#60
4-Bromofluorobenzene
Concen: 790.419 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 95 Resp: 297457
Ion Ratio Lower Upper
95 100
174 86.8 67.9 101.9
176 83.5 66.4 99.6





#61

Tetrachloroethene

Concen: 136.194 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion:164 Resp: 1179201

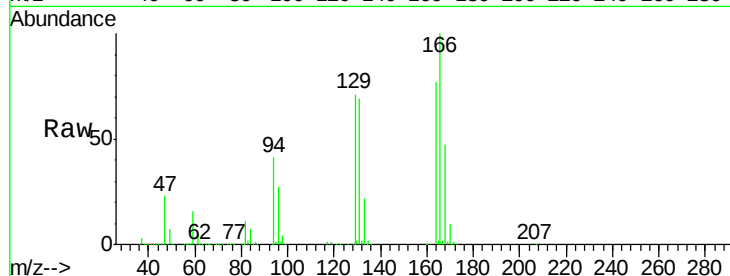
Ion Ratio Lower Upper

164 100

166 129.3 104.6 157.0

129 92.0 75.3 112.9

131 89.7 74.3 111.5

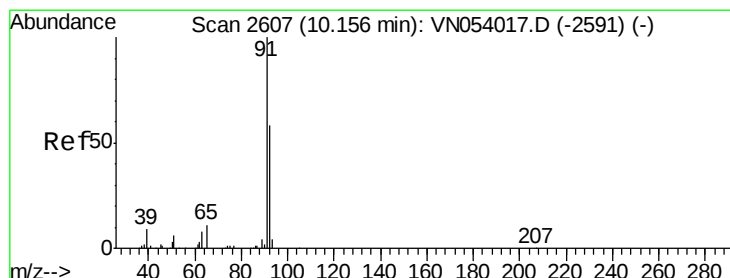
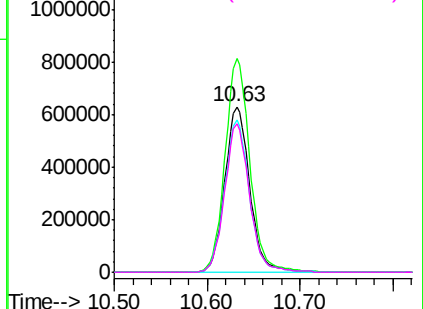
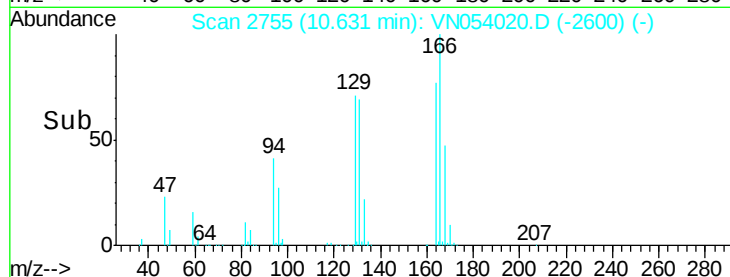


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 147.427 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054020.D

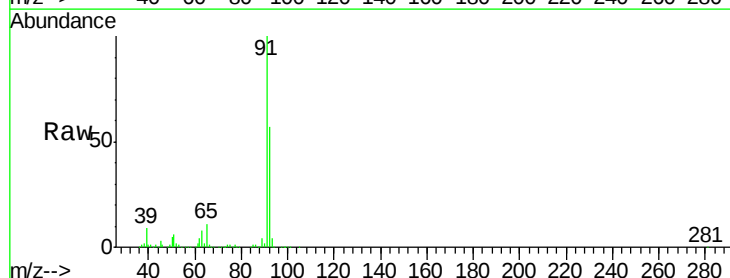
Acq: 1 Mar 2019 10:50

Tgt Ion: 91 Resp: 5131549

Ion Ratio Lower Upper

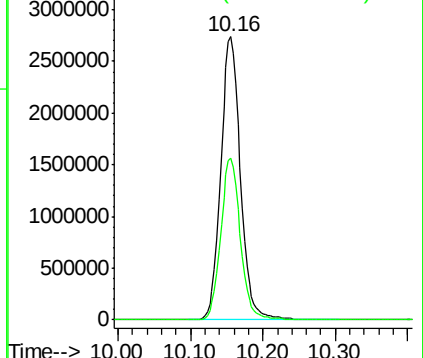
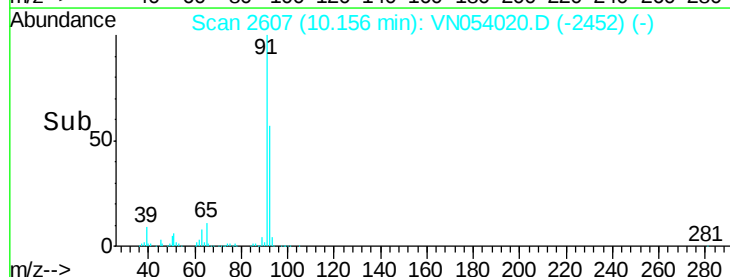
91 100

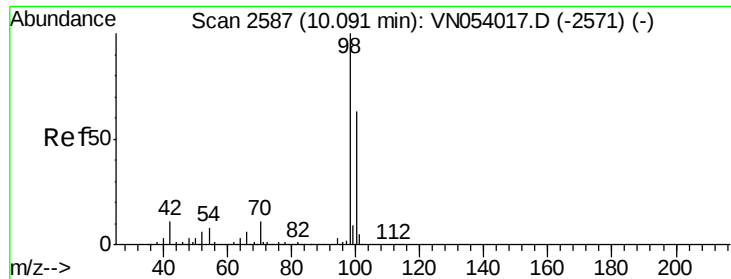
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





#63

Toluene-d8

Concen: 147.427 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

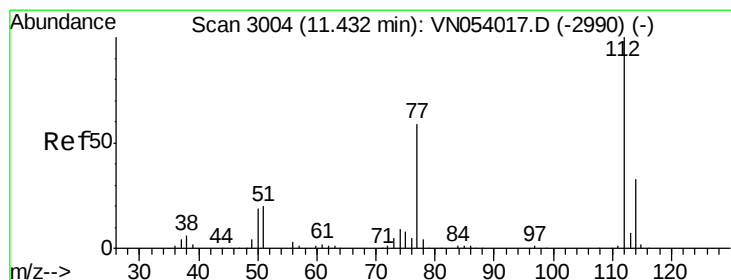
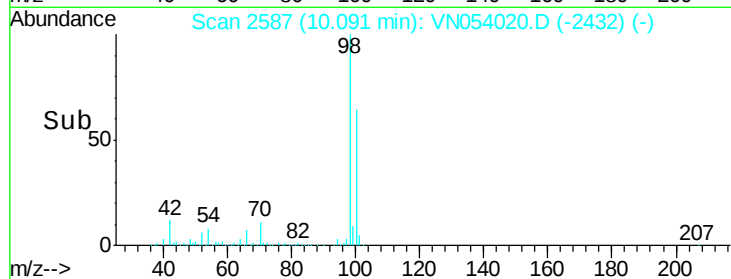
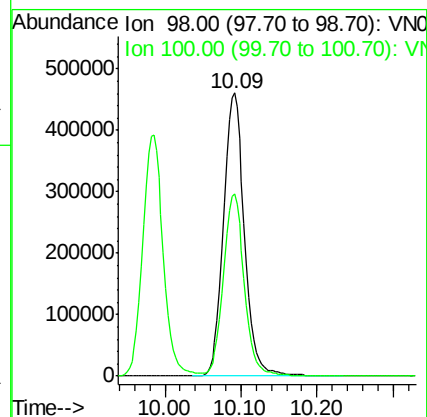
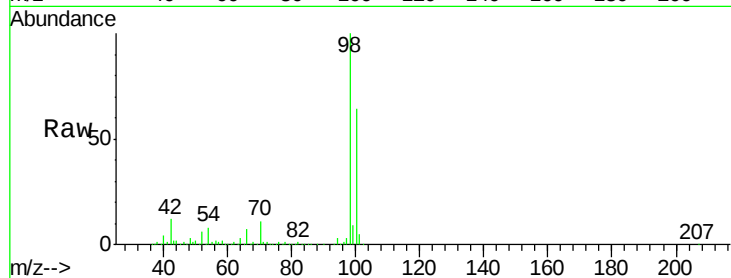
VSTDIC150

Tot Ion: 98 Resp: 881775

Ion Ratio Lower Upper

98 100

100 64.3 51.1 76.7



#64

Chlorobenzene

Concen: 149.158 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054020.D

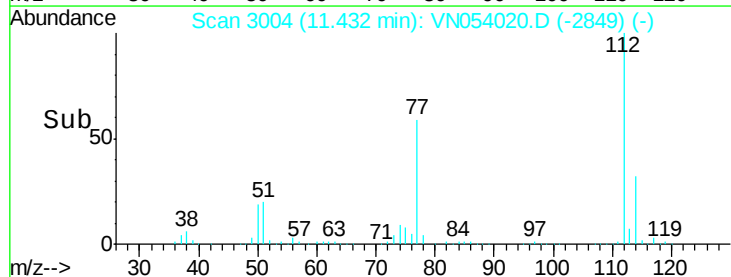
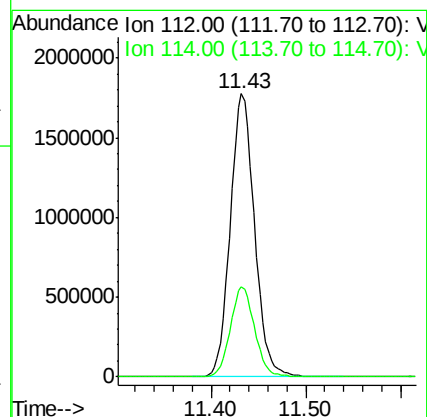
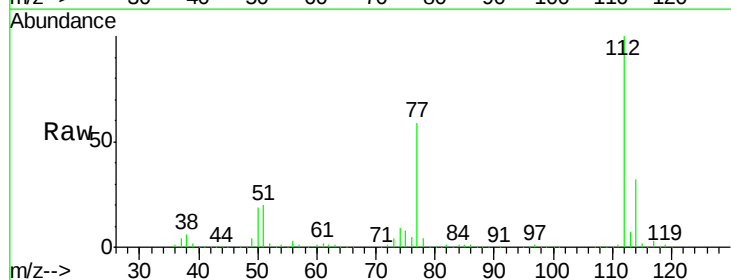
Acq: 1 Mar 2019 10:50

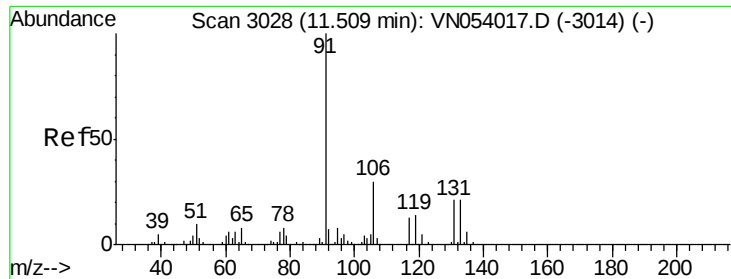
Tgt Ion: 112 Resp: 3161440

Ion Ratio Lower Upper

112 100

114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 148.910 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

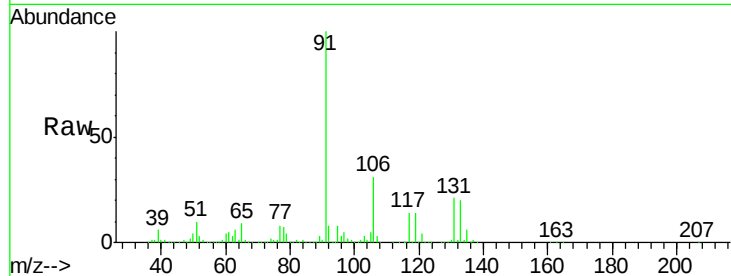
Tot Ion:131 Resp: 1158894

Ion Ratio Lower Upper

131 100

133 95.7 0.0 193.4

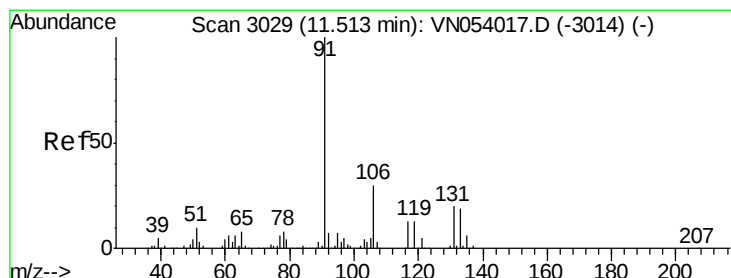
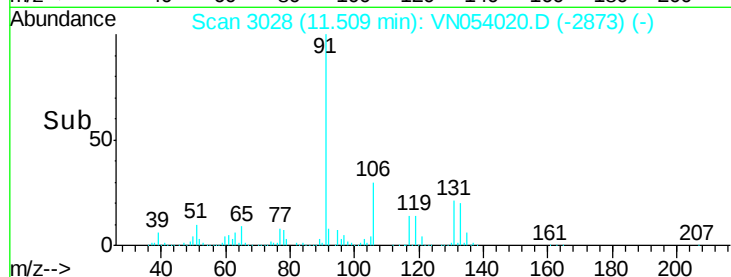
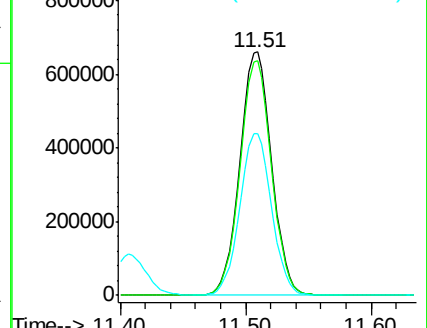
119 66.6 0.0 133.0



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 154.279 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054020.D

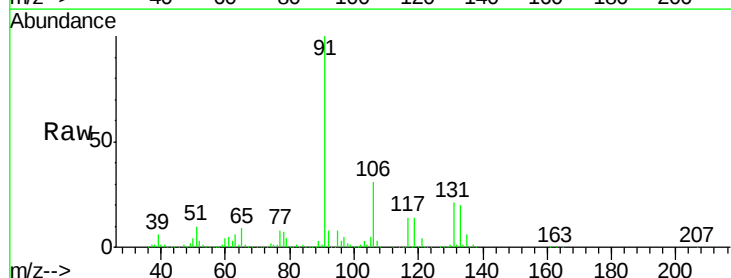
Acq: 1 Mar 2019 10:50

Tgt Ion: 91 Resp: 5613230

Ion Ratio Lower Upper

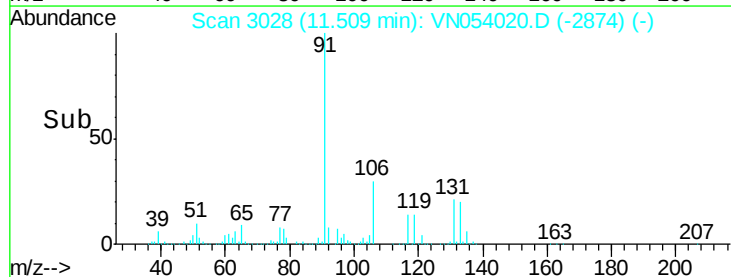
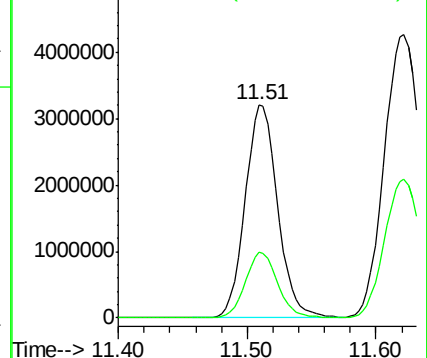
91 100

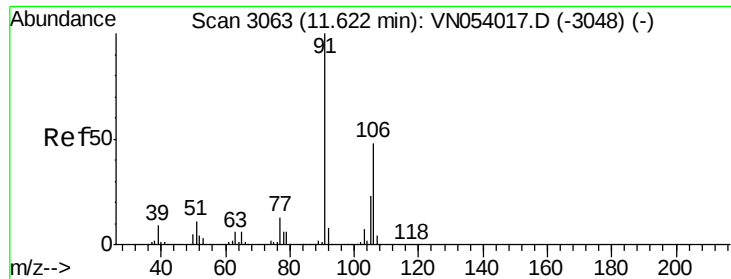
106 30.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 305.661 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

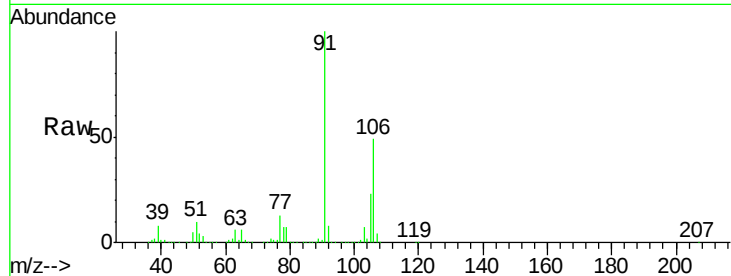
VSTDIC150

Tot Ion:106 Resp: 4187046

Ion Ratio Lower Upper

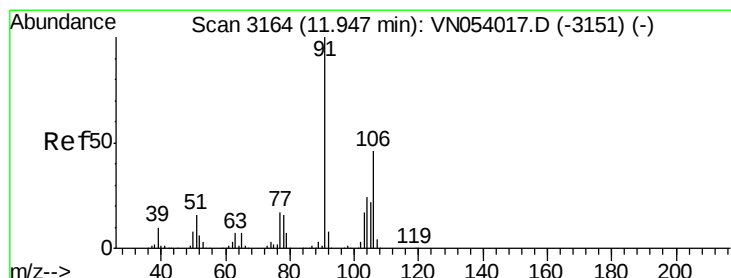
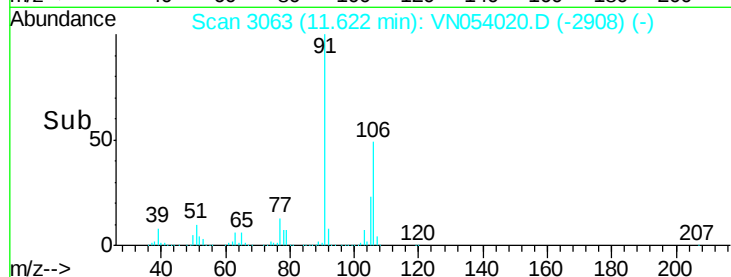
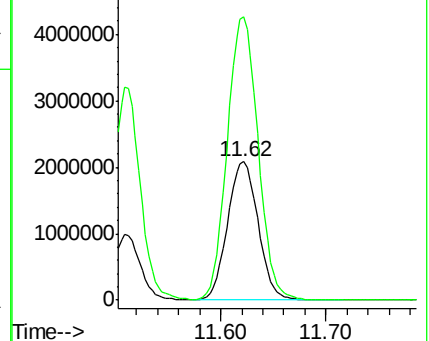
106 100

91 205.5 163.9 245.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 153.642 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054020.D

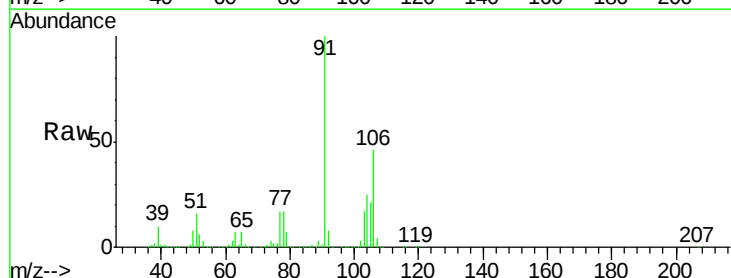
Acq: 1 Mar 2019 10:50

Tgt Ion:106 Resp: 2040175

Ion Ratio Lower Upper

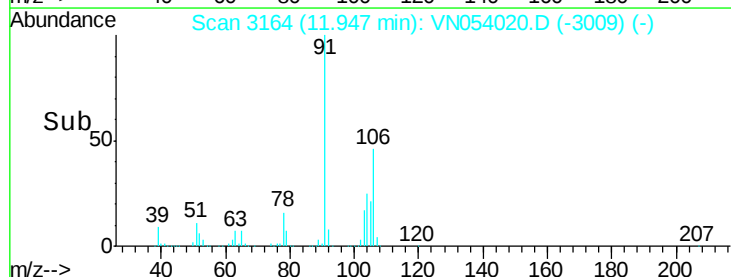
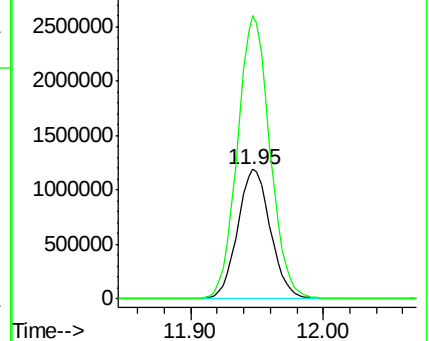
106 100

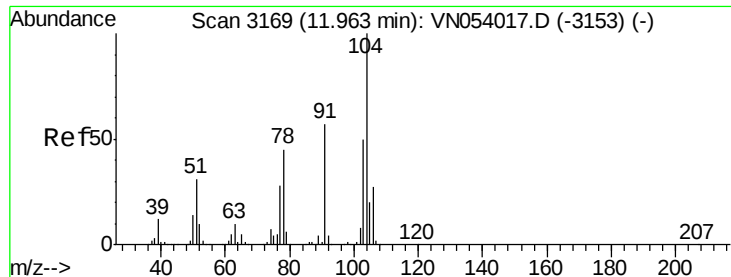
91 216.2 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

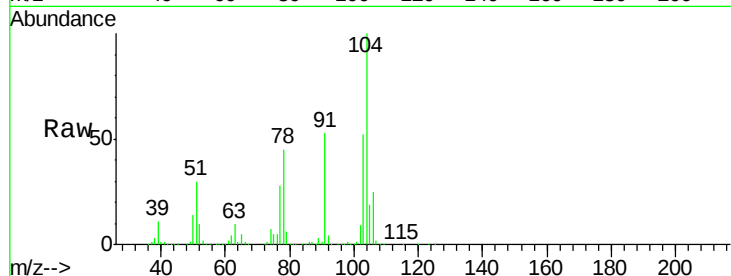




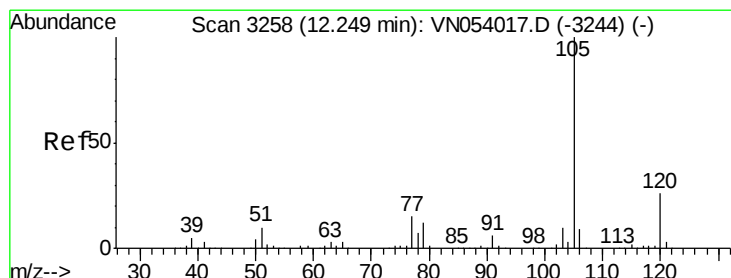
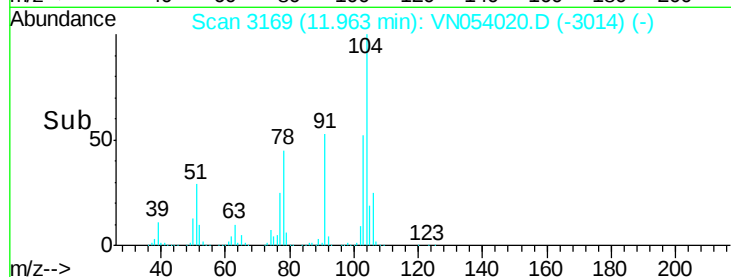
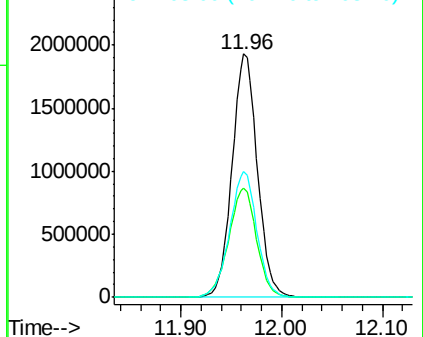
#69
Stvrene
Concen: 159.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion:104 Resp: 3362724
Ion Ratio Lower Upper
104 100
78 49.7 39.3 58.9
103 55.7 44.6 66.8

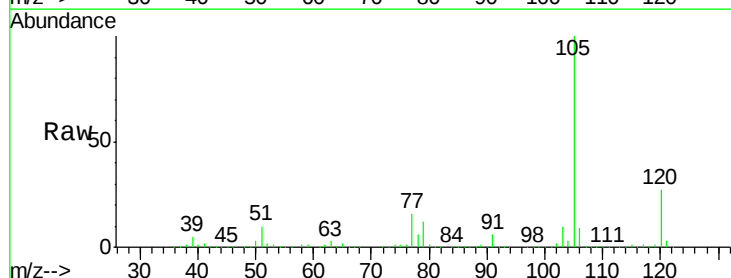


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V

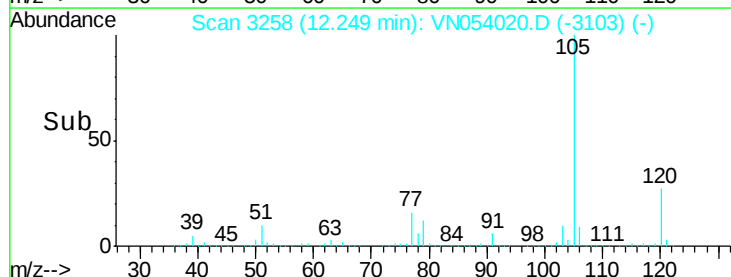
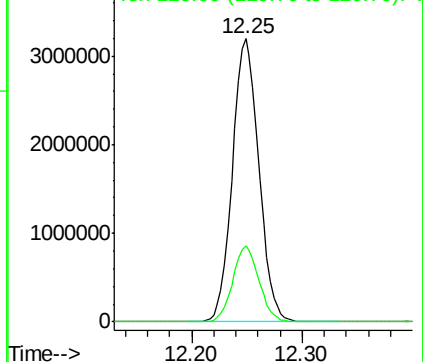


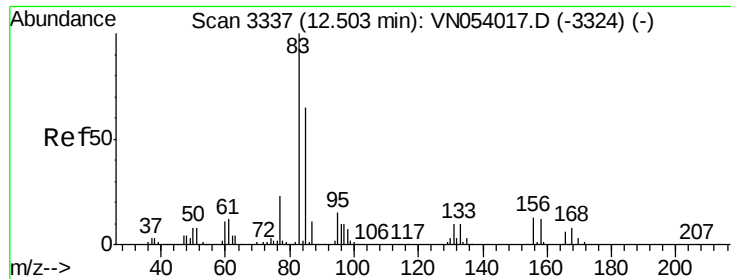
#70
Isopropylbenzene
Concen: 152.285 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion:105 Resp: 5307338
Ion Ratio Lower Upper
105 100
120 26.6 18.6 34.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 151.792 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

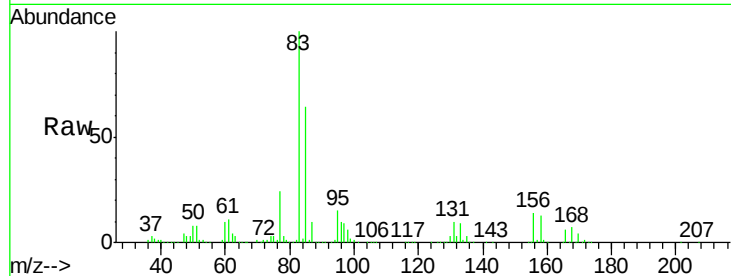
MSVOA_N

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1305744

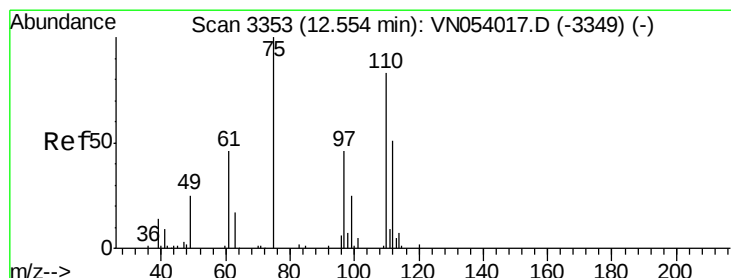
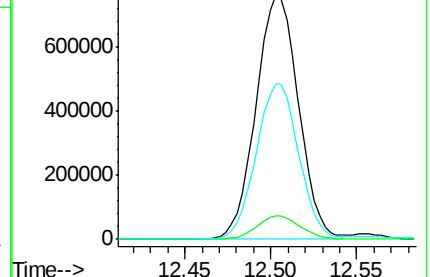
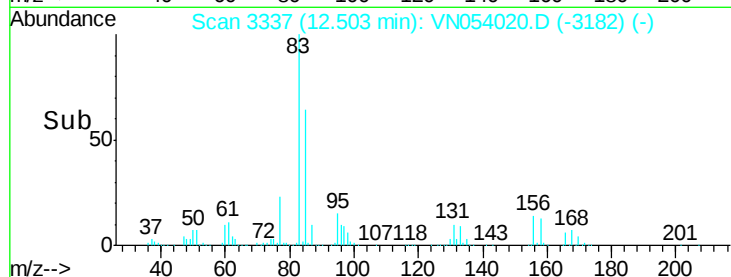
Ion	Ratio	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	64.0	32.2	96.6



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 131.00 (130.70 to 131.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#72

1,2,3-Trichloropropane

Concen: 257.211 ug/l

RT: 12.55 min Scan# 3353

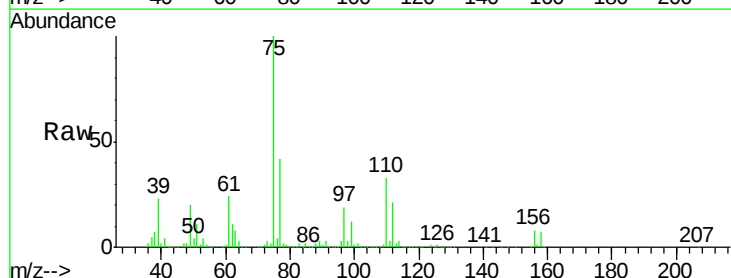
Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

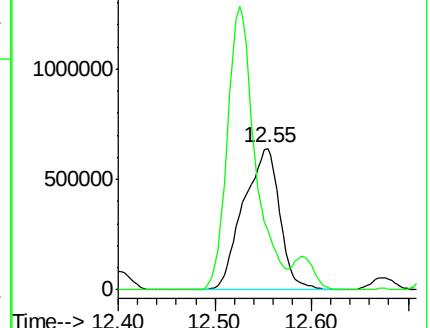
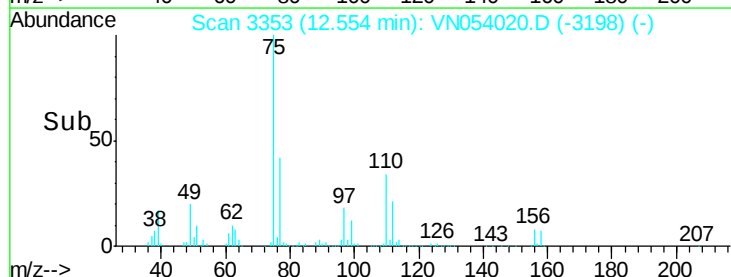
Tgt Ion: 75 Resp: 1679998

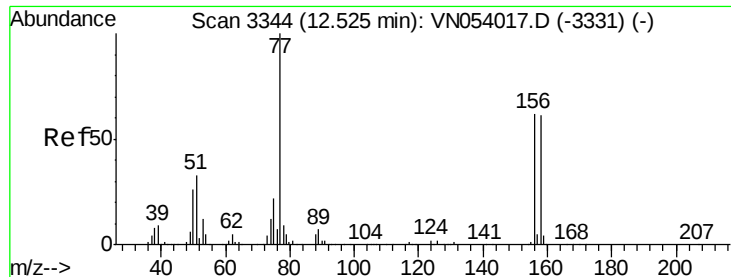
Ion	Ratio	Lower	Upper
75	100		
77	152.8	0.0	514.8



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 152.843 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

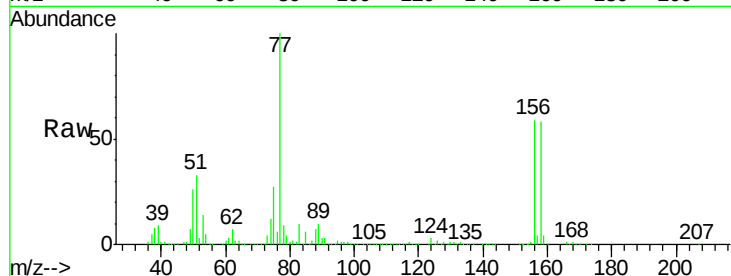
Tot Ion:156 Resp: 1343012

Ion Ratio Lower Upper

156 100

77 191.1 0.0 382.6

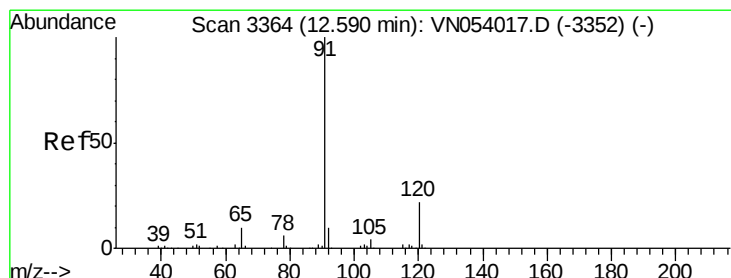
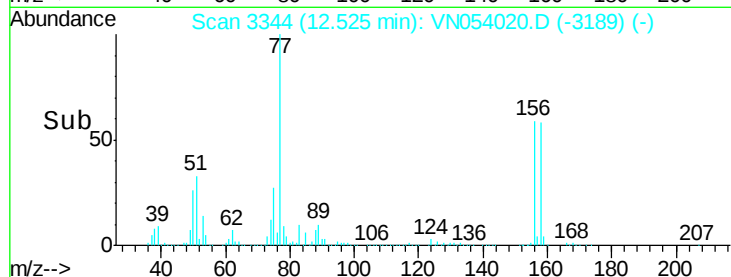
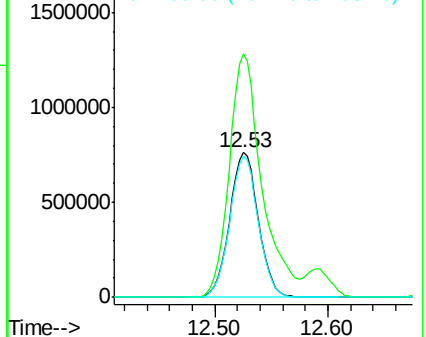
158 96.7 0.0 196.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 154.985 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054020.D

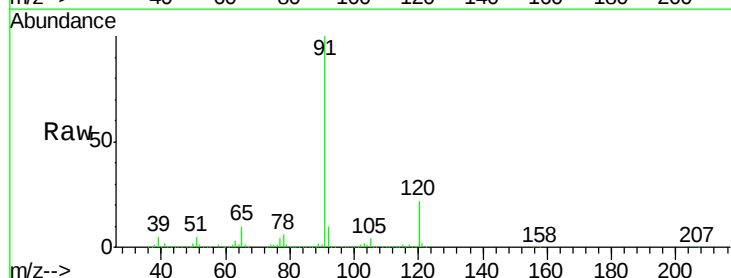
Acq: 1 Mar 2019 10:50

Tgt Ion: 91 Resp: 6432040

Ion Ratio Lower Upper

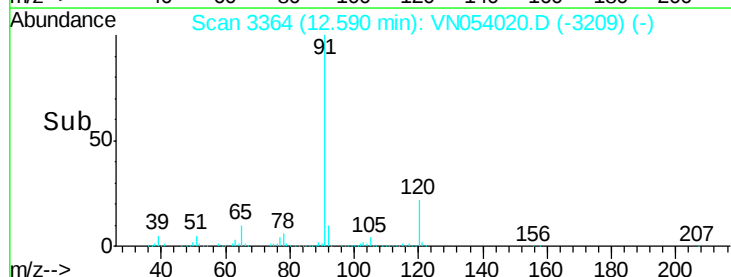
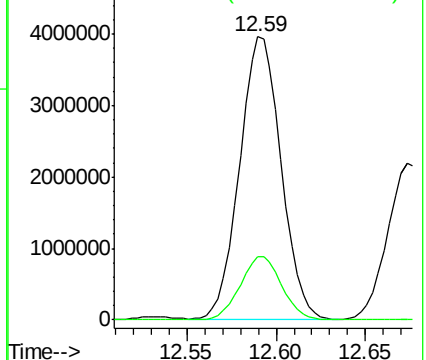
91 100

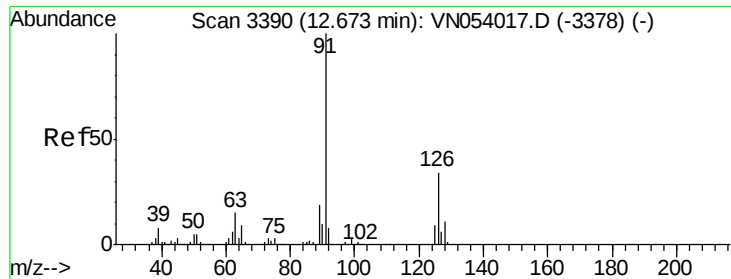
120 22.3 0.0 44.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 152.846 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

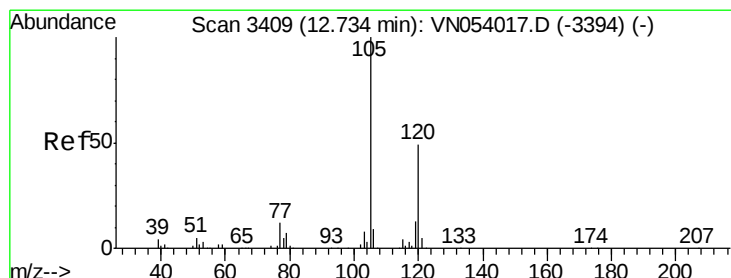
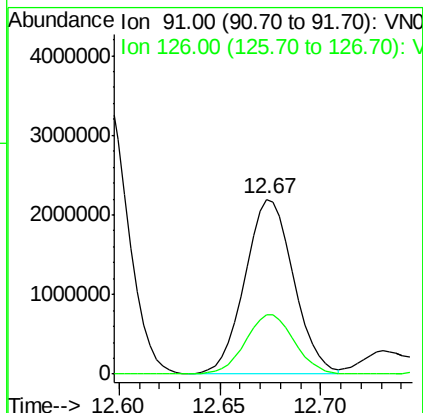
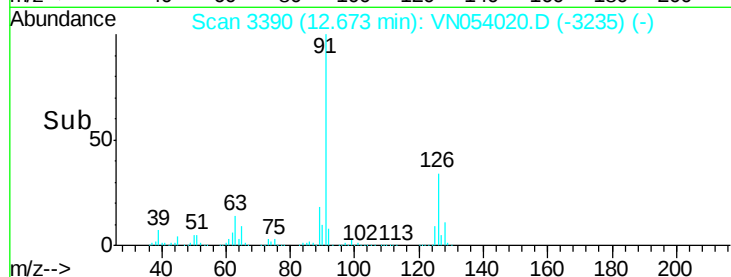
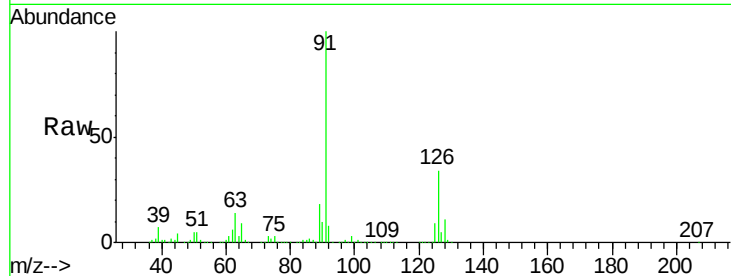
VSTDIC150

Tot Ion: 91 Resp: 3714540

Ion Ratio Lower Upper

91 100

126 34.1 0.0 68.4



#76

1,3,5-Trimethylbenzene

Concen: 153.661 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054020.D

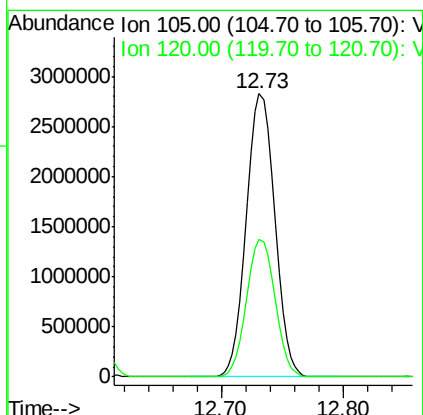
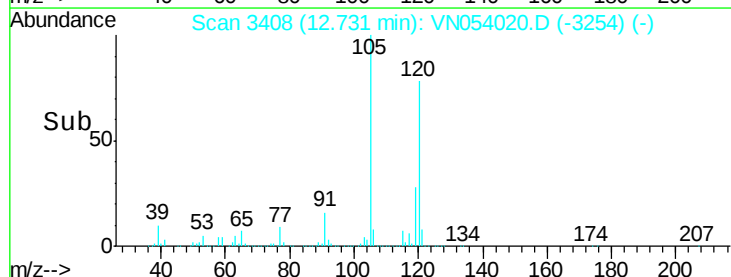
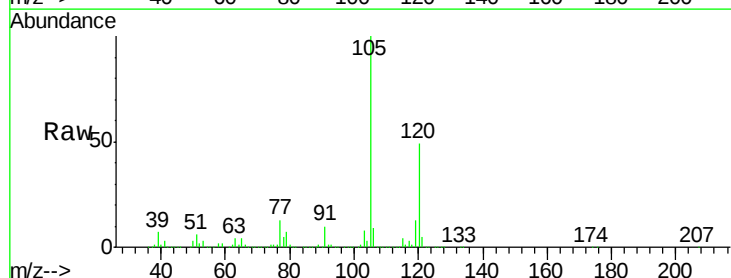
Acq: 1 Mar 2019 10:50

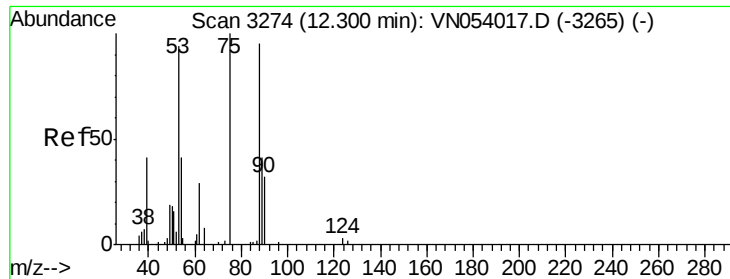
Tgt Ion:105 Resp: 4536360

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 173.587 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

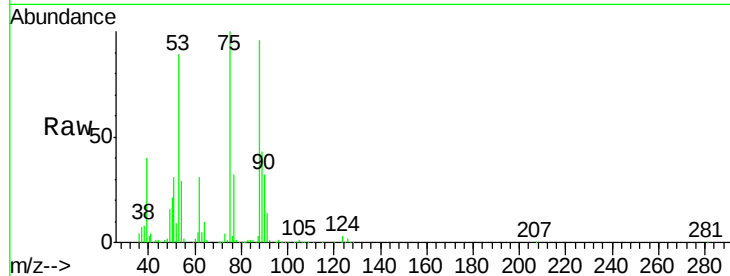
Tot Ion: 75 Resp: 403464

Ion Ratio Lower Upper

75 100

53 89.3 48.5 145.6

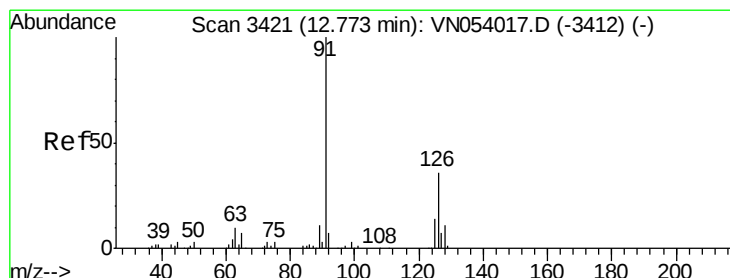
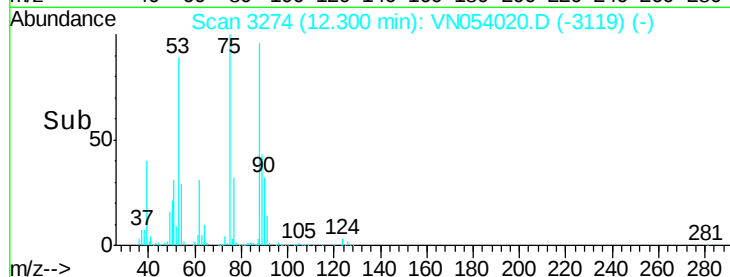
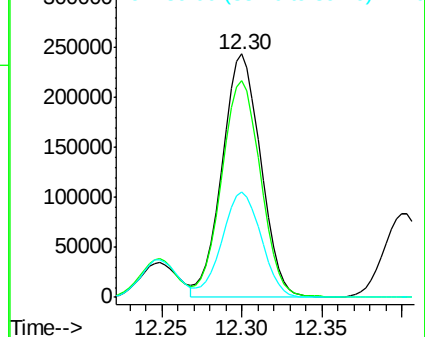
89 43.3 21.7 65.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 156.010 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN054020.D

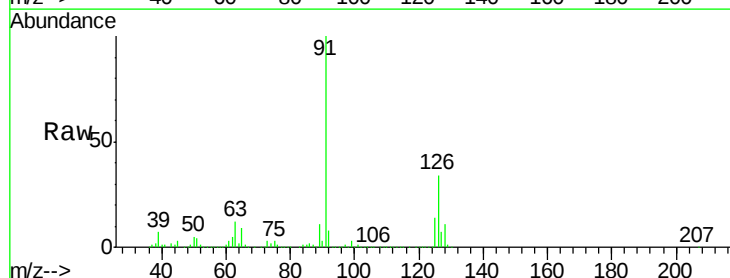
Acq: 1 Mar 2019 10:50

Tgt Ion: 91 Resp: 3793902

Ion Ratio Lower Upper

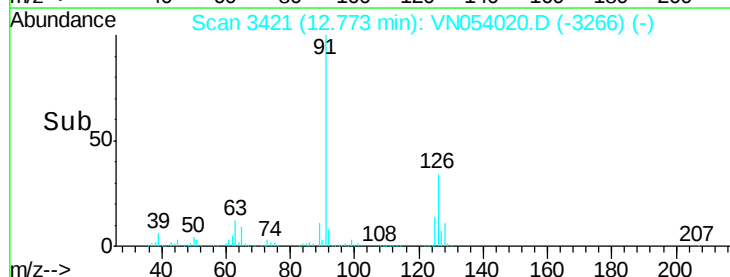
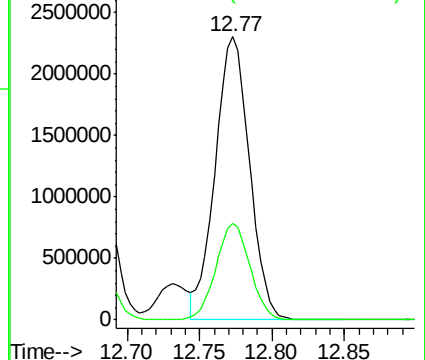
91 100

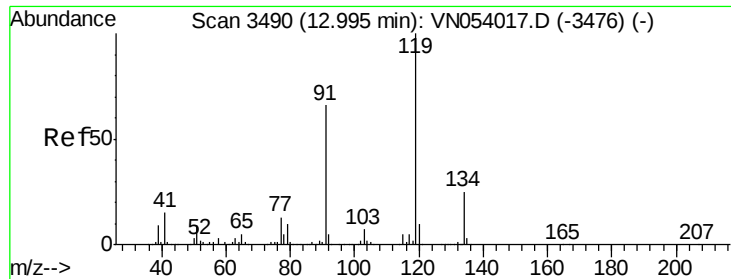
126 33.8 0.0 68.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#79

tert-butylbenzene

Concen: 152.930 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

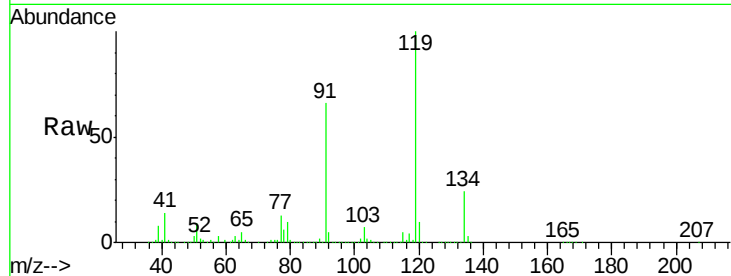
Tot Ion:119 Resp: 3956154

Ion Ratio Lower Upper

119 100

91 63.7 0.0 129.8

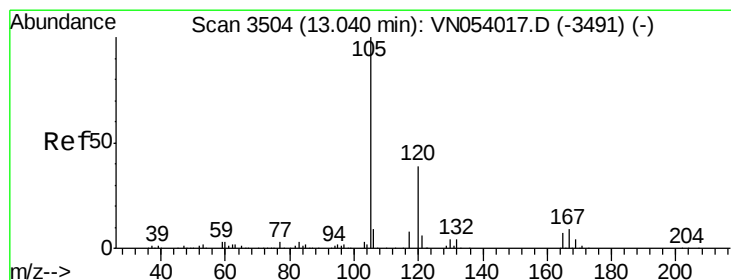
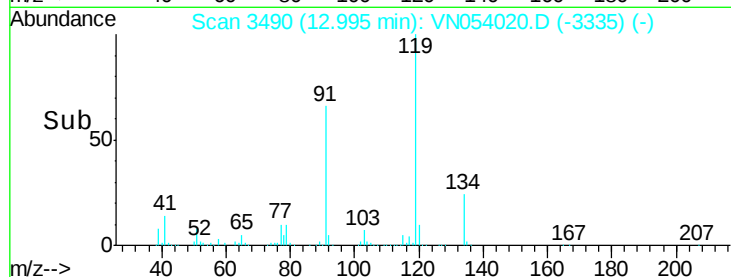
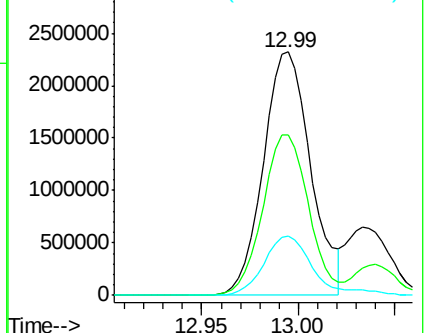
134 24.1 0.0 52.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#80

1,2,4-Trimethylbenzene

Concen: 155.712 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054020.D

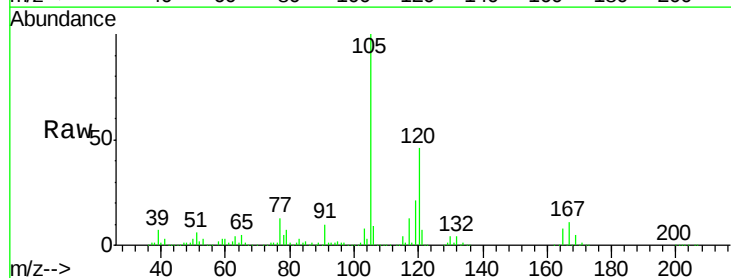
Acq: 1 Mar 2019 10:50

Tgt Ion:105 Resp: 4575188

Ion Ratio Lower Upper

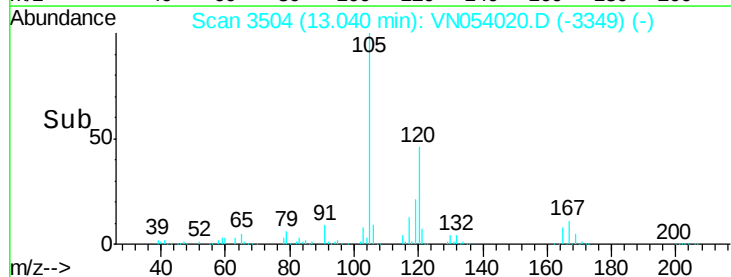
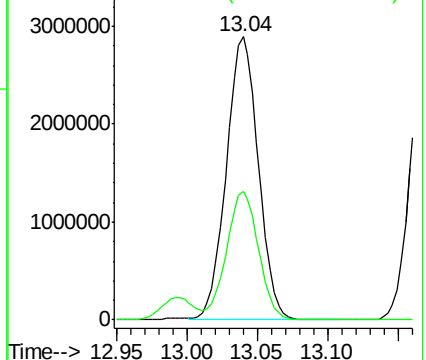
105 100

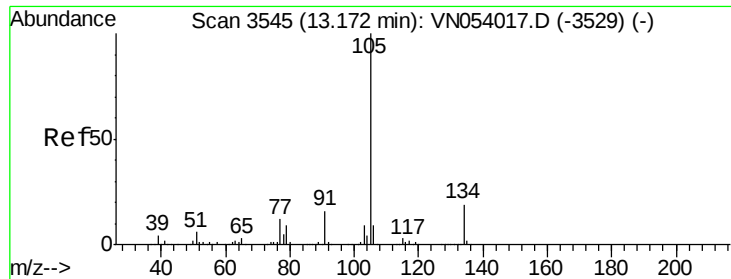
120 45.5 0.0 91.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

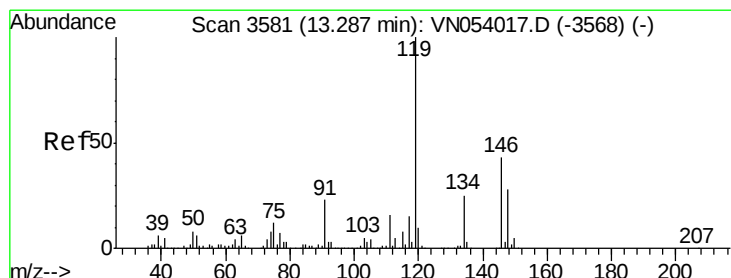
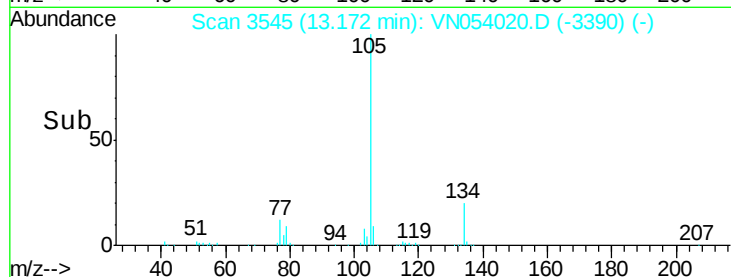
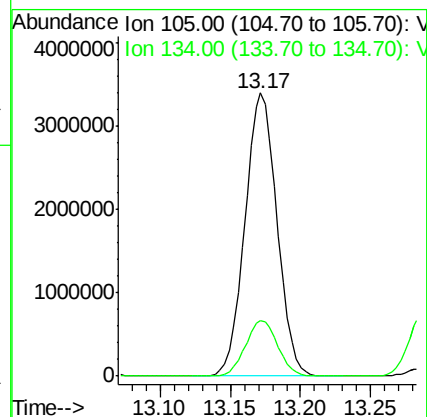
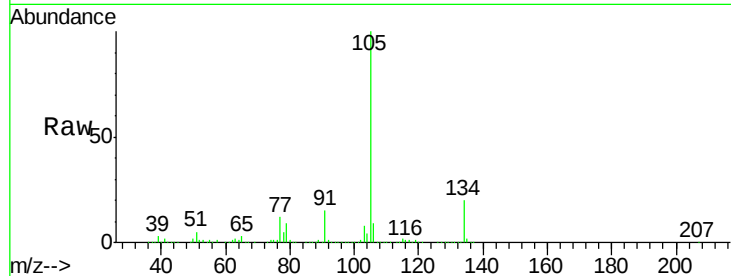




#81
 sec-Butylbenzene
 Concen: 151.996 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

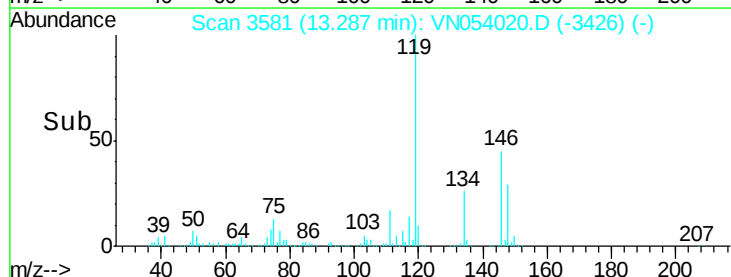
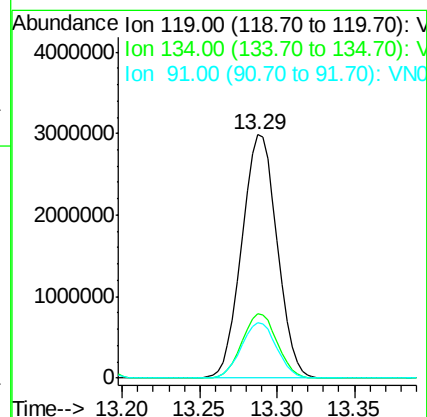
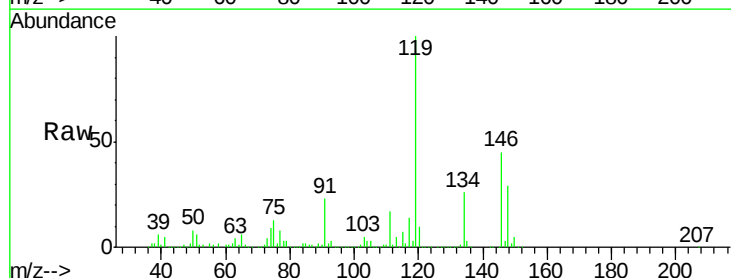
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

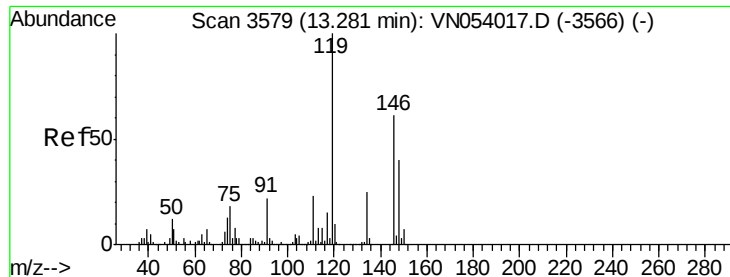
Tot Ion:105 Resp: 5392677
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 40.4



#82
 p-Isopropyltoluene
 Concen: 156.324 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion:119 Resp: 4735740
 Ion Ratio Lower Upper
 119 100
 134 26.3 0.0 52.6
 91 22.7 0.0 46.2





#83

1,3-Dichlorobenzene

Concen: 156.424 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

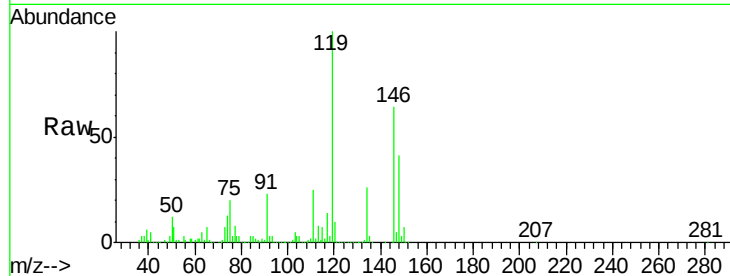
Tot Ion:146 Resp: 2424344

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.0

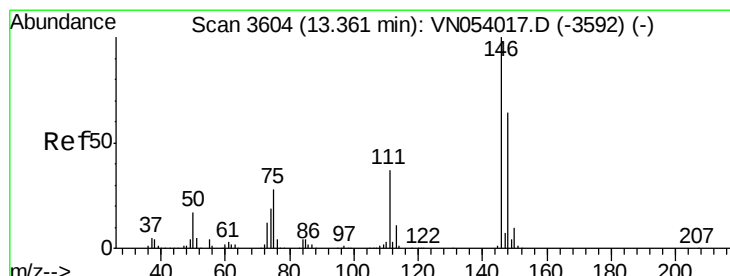
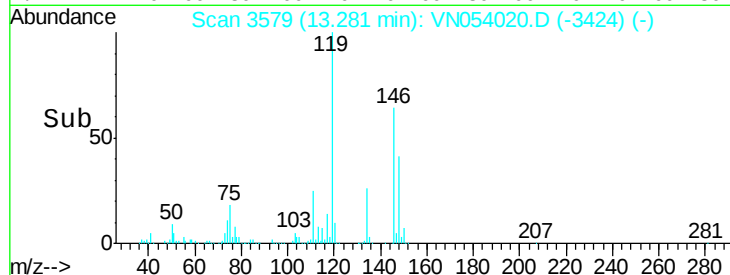
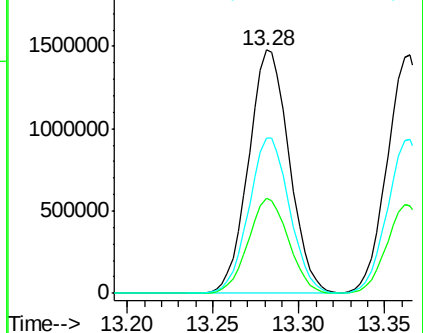
148 64.0 32.3 96.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84

1,4-Dichlorobenzene

Concen: 159.621 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

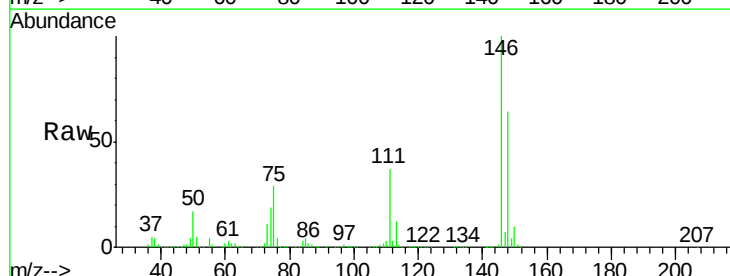
Tgt Ion:146 Resp: 2361979

Ion Ratio Lower Upper

146 100

111 37.2 18.8 56.3

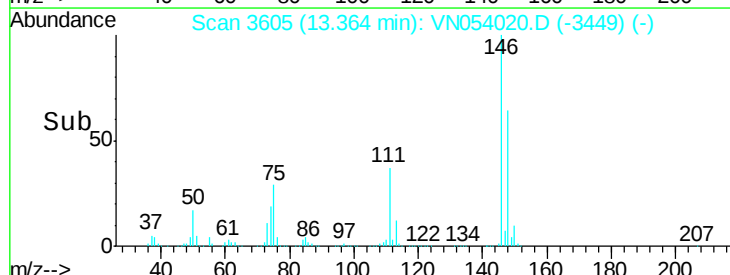
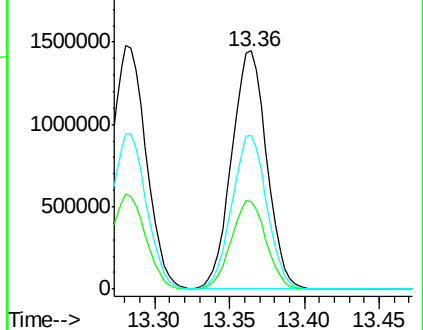
148 64.2 32.5 97.4

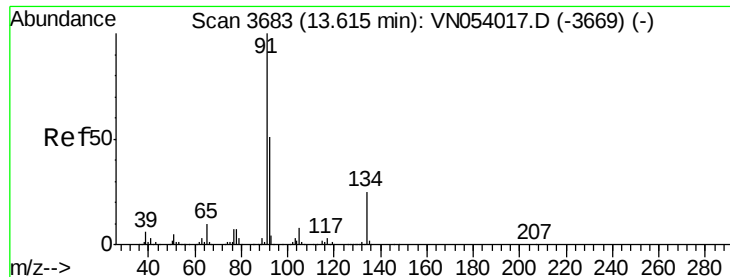


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

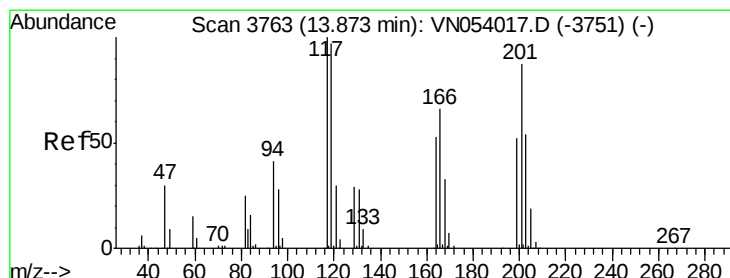
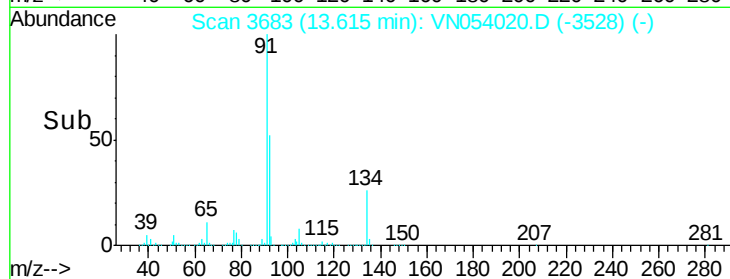
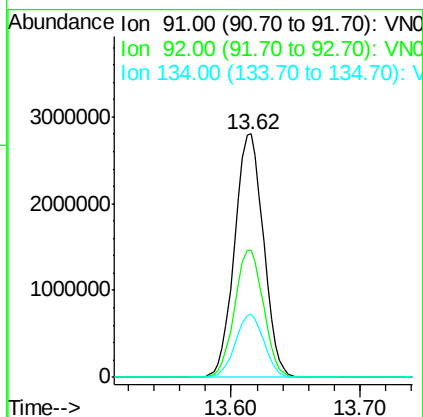
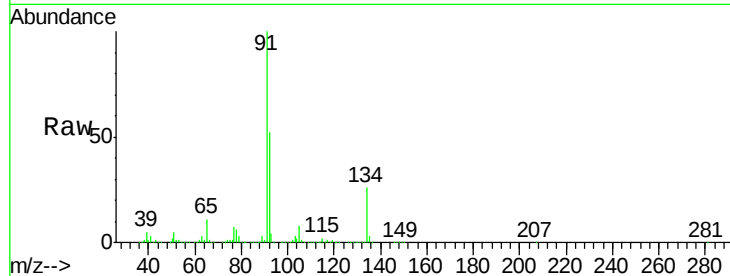




#85
n-Butylbenzene
Concen: 165.035 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

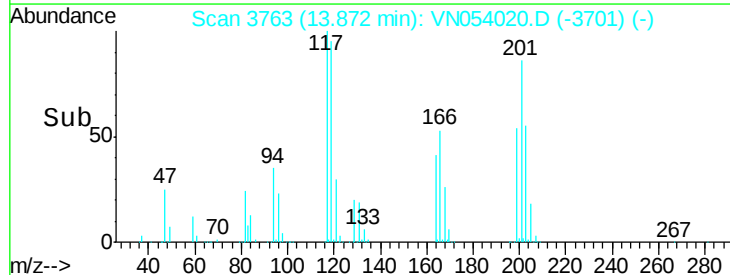
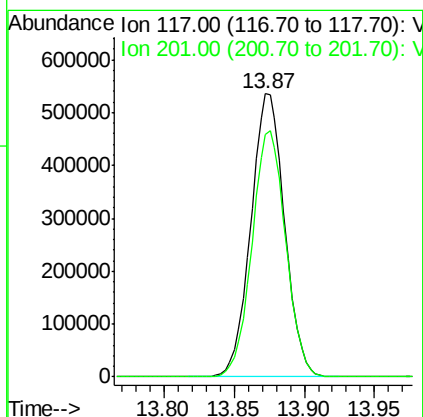
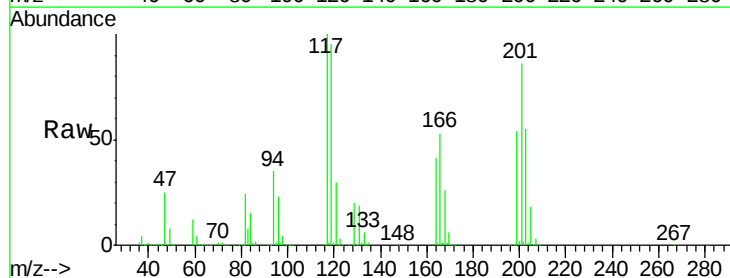
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

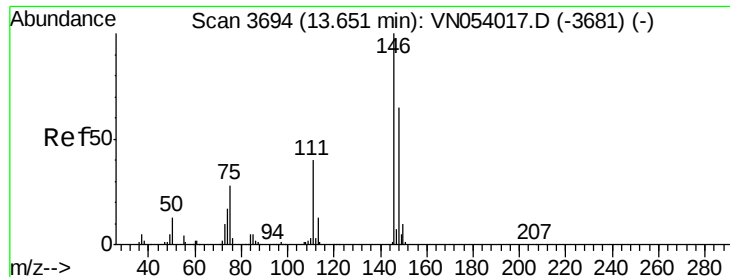
Tot Ion: 91 Resp: 4357465
Ion Ratio Lower Upper
91 100
92 52.3 0.0 104.2
134 25.6 0.0 50.6



#86
Hexachloroethane
Concen: 158.142 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion: 117 Resp: 895701
Ion Ratio Lower Upper
117 100
201 86.9 43.8 131.3

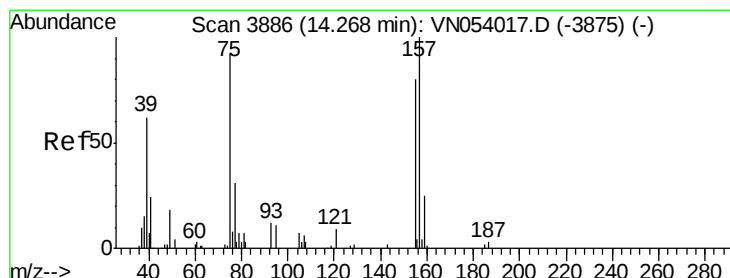
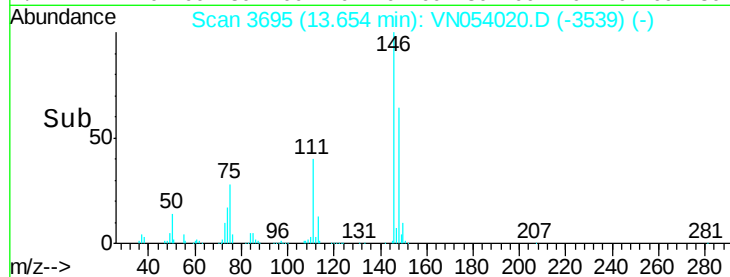
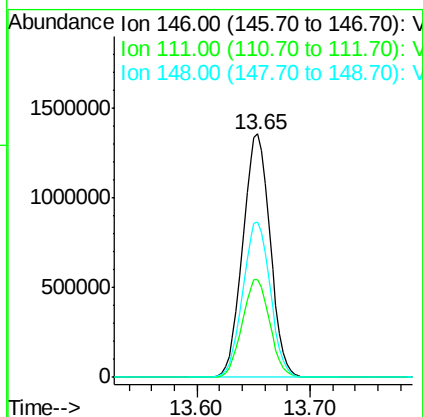
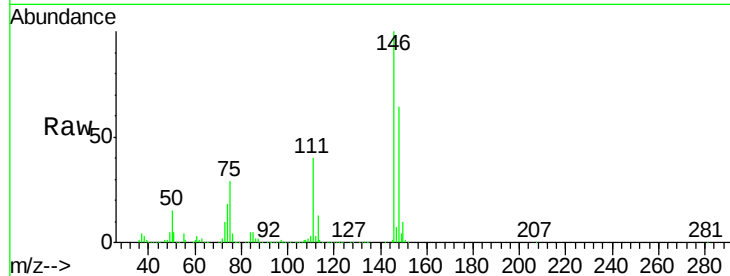




#87
 1,2-Dichlorobenzene
 Concen: 151.616 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

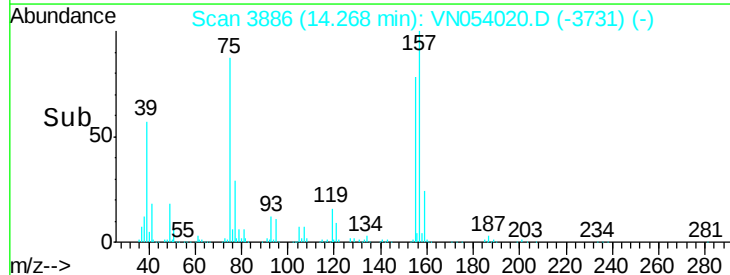
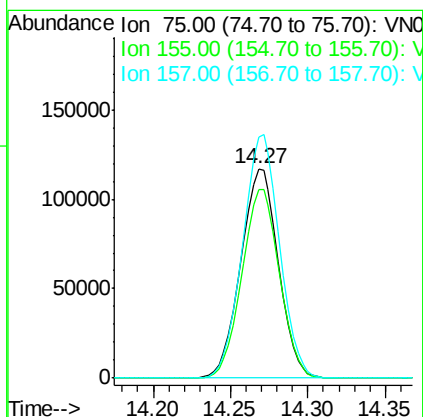
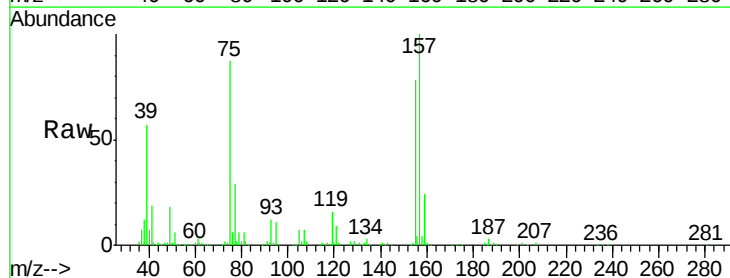
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

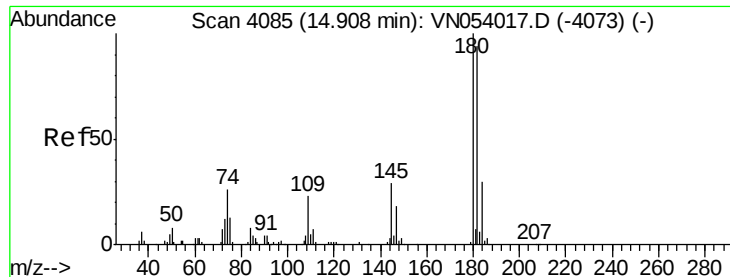
Tot Ion:146 Resp: 2278917
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.3 60.8
 148 64.1 32.1 96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 159.124 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion: 75 Resp: 198042
 Ion Ratio Lower Upper
 75 100
 155 89.9 72.2 108.2
 157 114.4 94.2 141.2

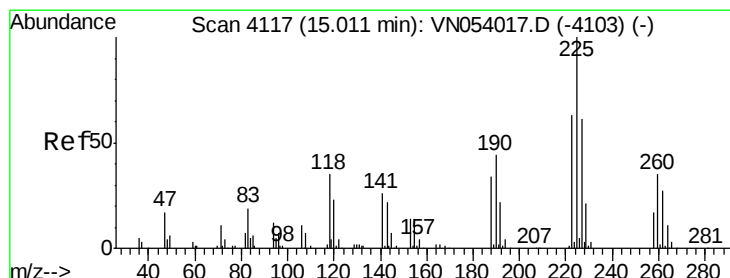
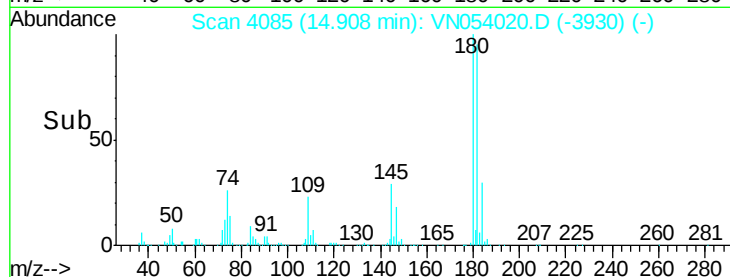
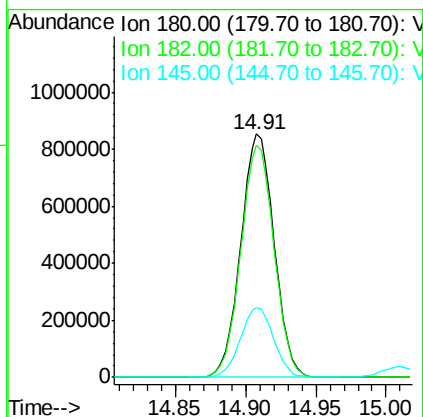
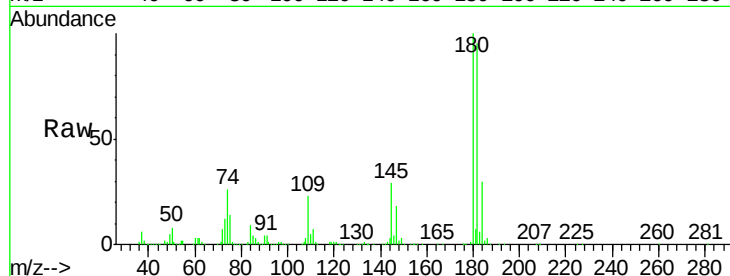




#89
 1,2,4-Trichlorobenzene
 Concen: 184.704 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

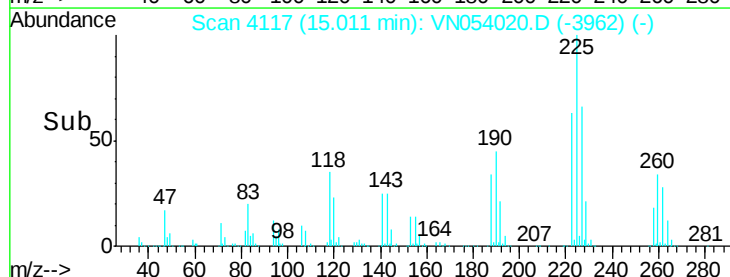
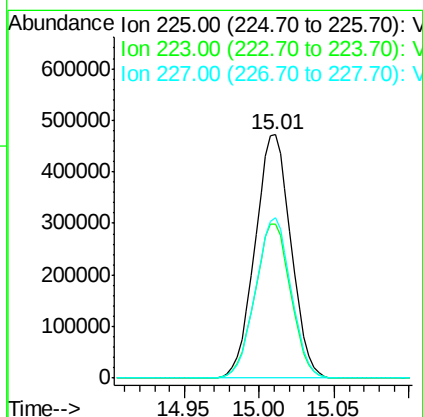
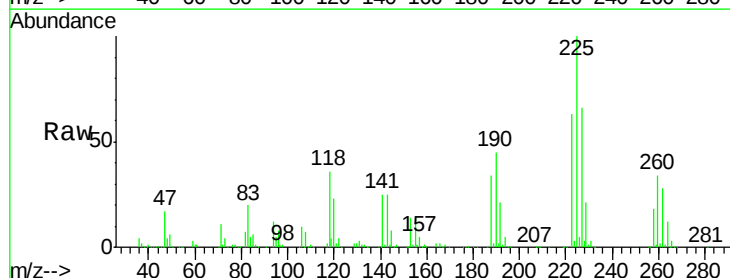
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

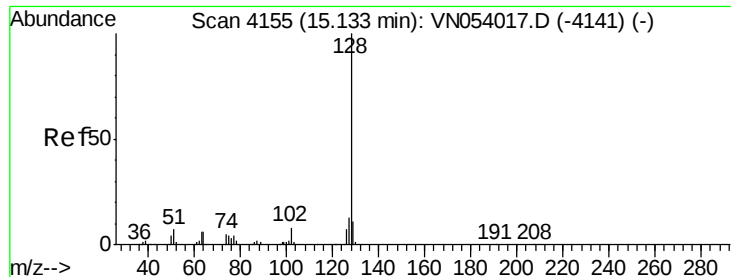
Tot Ion:180 Resp: 1410437
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.6 114.8
 145 28.6 23.6 35.4



#90
 Hexachlorobutadiene
 Concen: 141.667 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion:225 Resp: 785981
 Ion Ratio Lower Upper
 225 100
 223 63.4 0.0 125.6
 227 65.1 0.0 127.8





#91

Naphthalene

Concen: 154.727 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

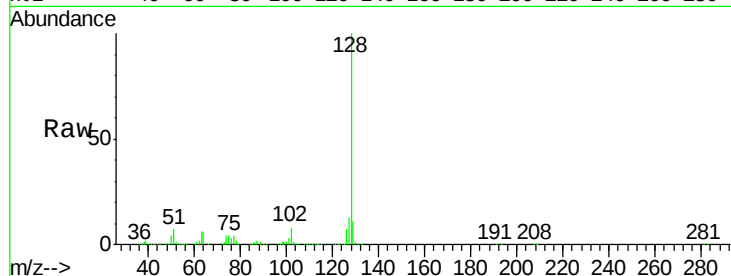
Tot Ion:128 Resp: 3086300

Ion Ratio Lower Upper

128 100

127 12.9 9.9 14.9

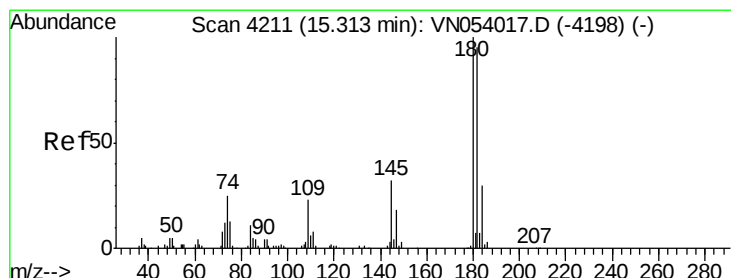
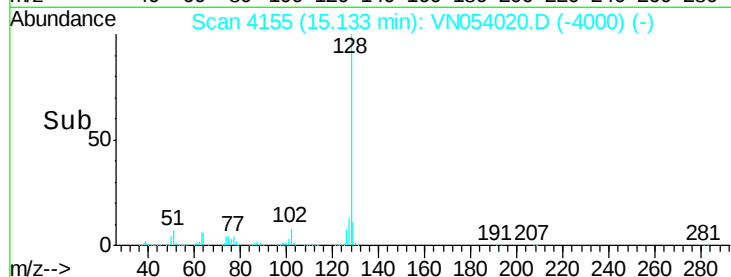
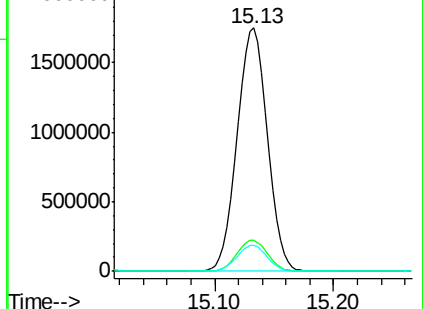
129 10.8 8.5 12.7



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



#92

1,2,3-Trichlorobenzene

Concen: 178.076 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

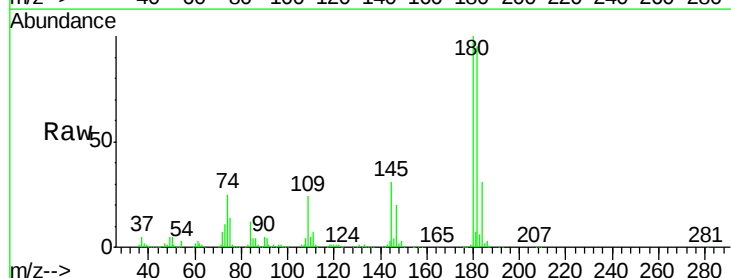
Tgt Ion:180 Resp: 1342853

Ion Ratio Lower Upper

180 100

182 95.3 0.0 196.2

145 30.7 0.0 62.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

