

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054020.D
 Acq On : 1 Mar 2019 10:50
 Operator : JC/SP
 Sample : VSTDIC150
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Manual Integrations
 APPROVED

MMDadoda
 3/6/2019 10:23:29 AM

Quant Time: Mar 01 11:12:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 11:00:24 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	31.52	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	105.07%
63) Toluene-d8	10.09	98	881775	29.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.63%

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	919.026	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	160.621	ug/l 99
39) 1,2-Dichloropropane	9.12	63	1330346	187.929	ug/l 99
40) Dibromomethane	9.21	93	745720	182.781	ug/l 99

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1614711	144.332	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	3588.802	ug/l	95
46) Methyl methacrylate	9.20	41	1016819	172.760	ug/l	97
47) n-amyl Acetate	12.07	43	1659267	188.195	ug/l	95
48) t-1,3-Dichloropropene	10.38	75	1763018	167.069	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1998920	159.783	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	1045348	146.138	ug/l	99
51) Ethyl methacrylate	10.43	69	1455783	175.772	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1836400	150.448	ug/l	99
53) Dibromochloromethane	10.90	129	1209974	155.967	ug/l	98
54) 1,2-Dibromoethane	11.00	107	1053615	156.846	ug/l	97
55) 2-Chloroethyl vinyl ether	9.70	63	3450054	903.303	ug/l	100
56) Bromoform	12.13	173	846383	166.628	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	5450671	783.643	ug/l	99
59) 2-Hexanone	10.75	43	3624226	801.214	ug/l	100
61) Tetrachloroethene	10.63	164	1179201	133.130	ug/l	98
62) Toluene	10.16	91	5131549	146.797	ug/l	100
64) Chlorobenzene	11.43	112	3161440	148.949	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	1158894	148.640	ug/l	99
66) Ethyl Benzene	11.51	91	5613230	155.387	ug/l	99
67) m/p-Xylenes	11.62	106	4187046	307.110	ug/l	100
68) o-Xylene	11.95	106	2040175	154.581	ug/l	100
69) Styrene	11.96	104	3362724	162.619	ug/l	100
70) Isopropylbenzene	12.25	105	5307338	152.867	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	1305744	152.247	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	975396m	149.170	ug/l	
73) Bromobenzene	12.53	156	1343012	153.571	ug/l	99
74) n-propylbenzene	12.59	91	6432040	156.284	ug/l	100
75) 2-Chlorotoluene	12.67	91	3714540	153.575	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	4536360	154.604	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	403464	180.691	ug/l	94
78) 4-Chlorotoluene	12.77	91	3793902	157.588	ug/l	99
79) tert-butylbenzene	12.99	119	3956154	153.681	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	4575188	157.209	ug/l	100
81) sec-Butylbenzene	13.17	105	5392677	152.503	ug/l	99
82) p-Isopropyltoluene	13.29	119	4735740	157.989	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	2424344	158.116	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	2361979	162.222	ug/l	99
85) n-Butylbenzene	13.62	91	4357465	169.276	ug/l	100
86) Hexachloroethane	13.87	117	895701	160.318	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	2278917	152.025	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	198042	161.581	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	1410437	196.043	ug/l	99
90) Hexachlorobutadiene	15.01	225	785981	139.726	ug/l	99
91) Naphthalene	15.13	128	3086300	220.342	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	1342853	186.818	ug/l	98

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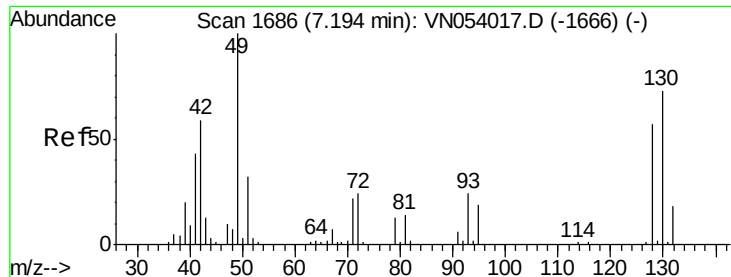
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#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

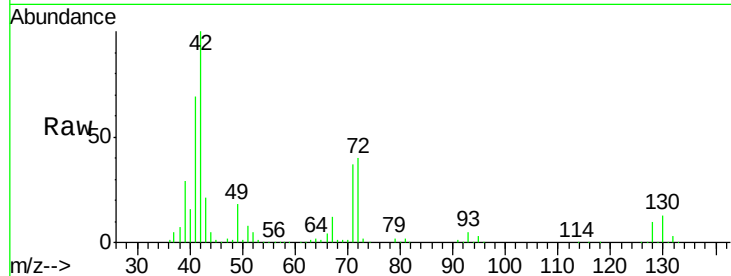
130 126.4 0.0 317.0

Manual Integrations

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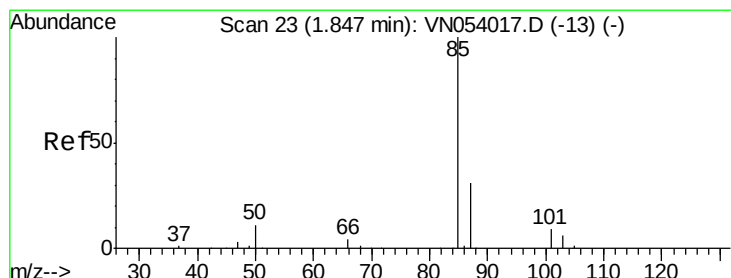
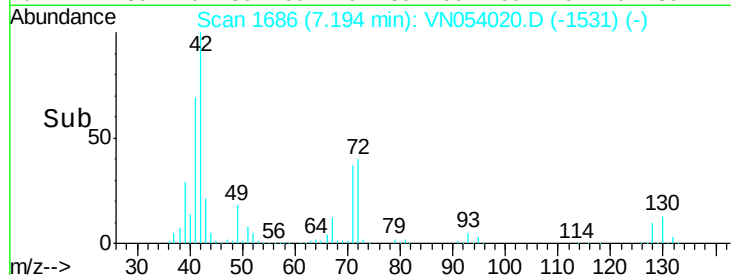
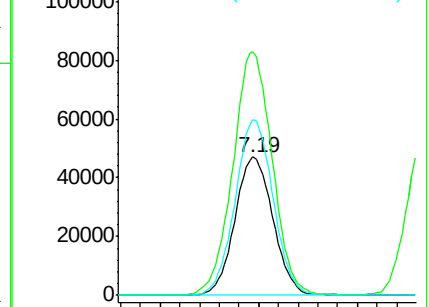
3/6/2019 10:23:29 AM



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

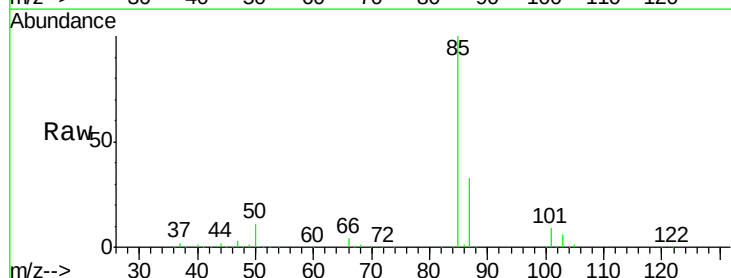
Acq: 1 Mar 2019 10:50

Tgt Ion: 85 Resp: 1017842

Ion Ratio Lower Upper

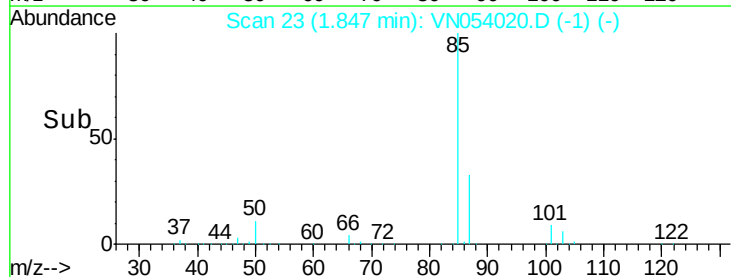
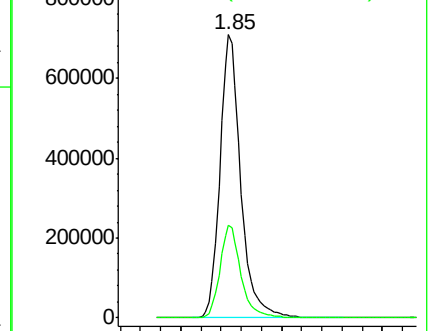
85 100

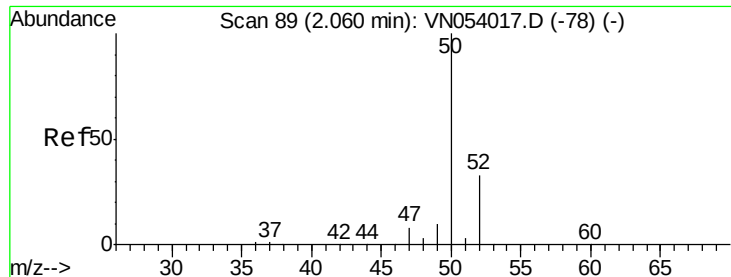
87 32.7 16.1 48.3



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

ClientSampled :

VSTDIC150

Tot Ion: 50 Resp: 1394132

Ion Ratio Lower Upper

50 100

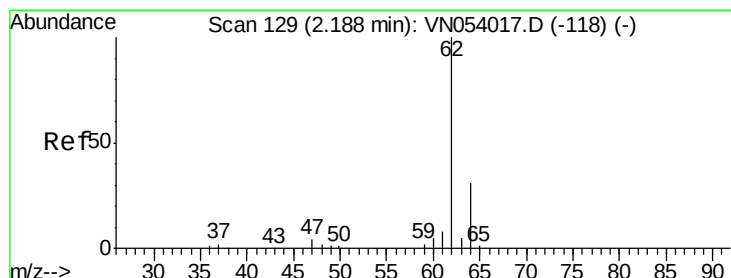
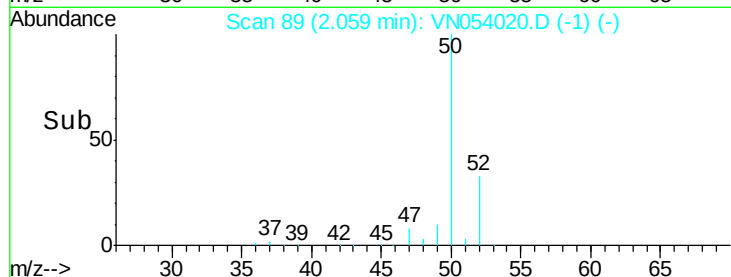
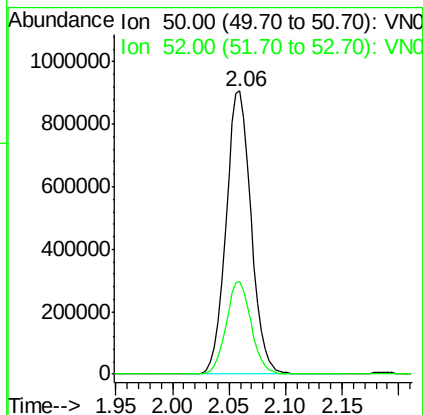
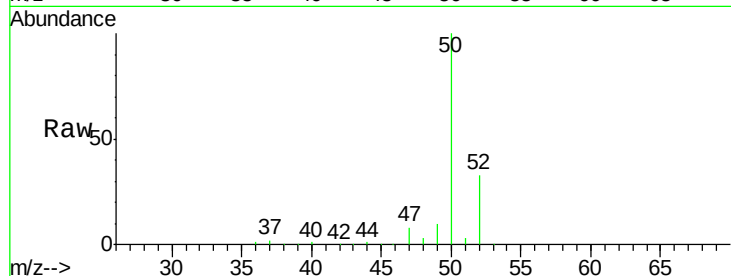
52 32.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 145.269 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054020.D

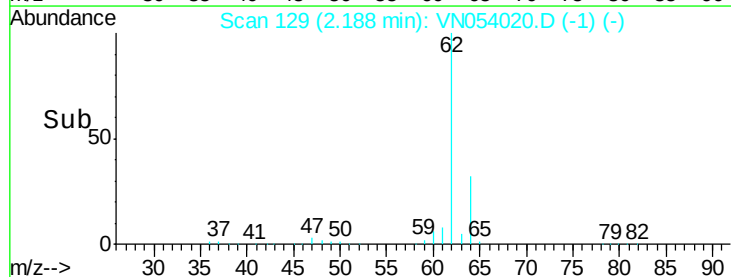
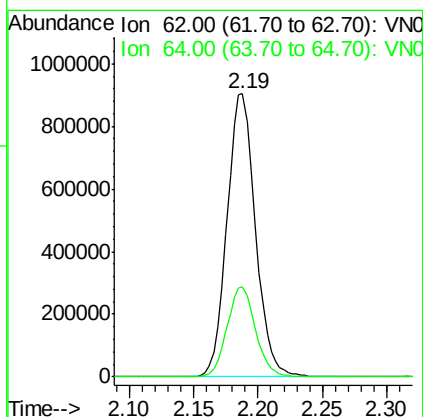
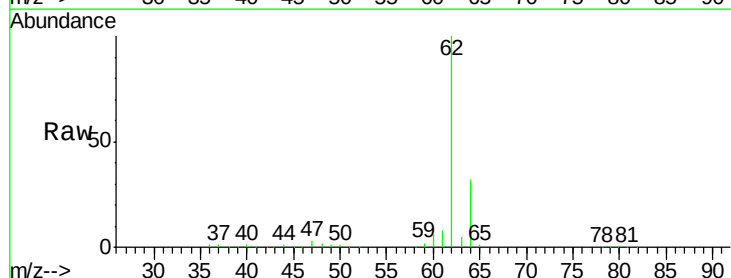
Acq: 1 Mar 2019 10:50

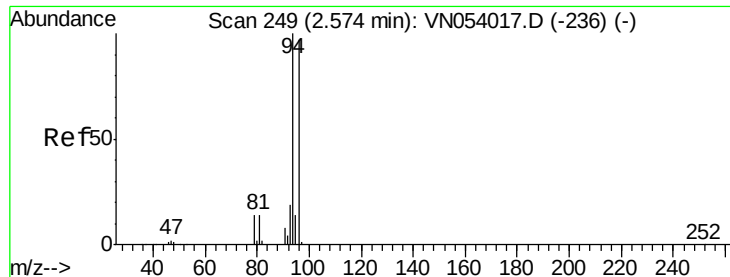
Tgt Ion: 62 Resp: 1384574

Ion Ratio Lower Upper

62 100

64 31.7 24.2 36.4





#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

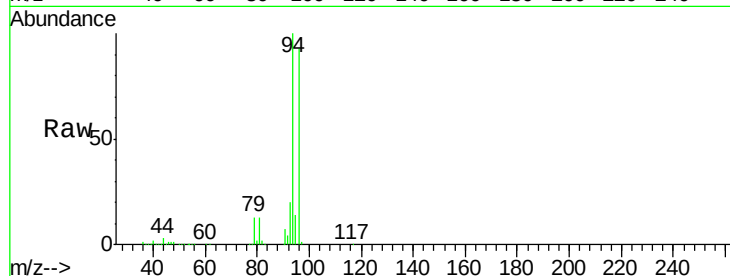
96 93.1 76.2 114.2

Manual Integrations

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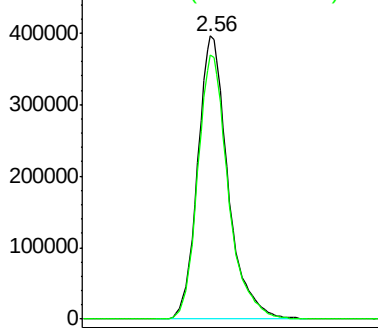
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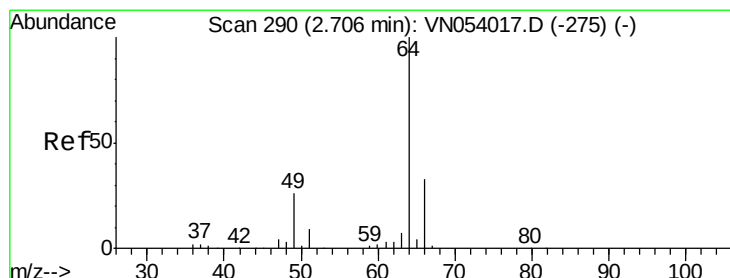
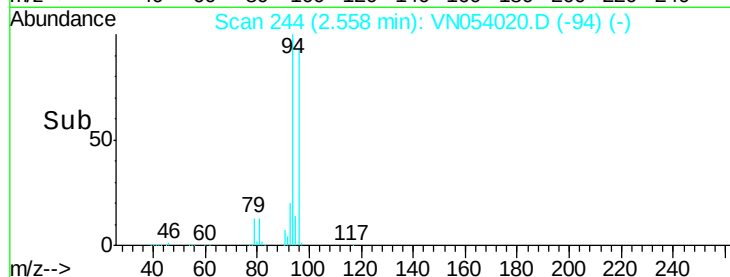


Abundance Ion 94.00 (93.70 to 94.70): VN0

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

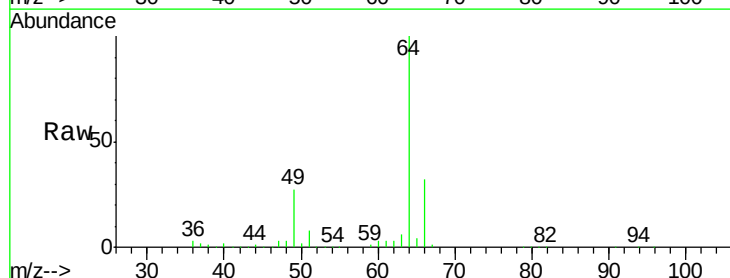
Acq: 1 Mar 2019 10:50

Tgt Ion: 64 Resp: 807352

Ion Ratio Lower Upper

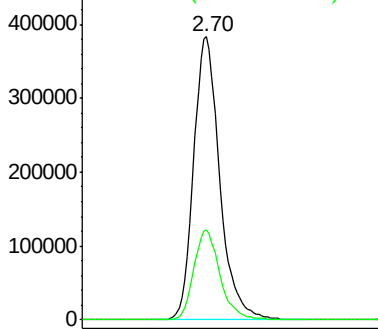
64 100

66 31.8 25.6 38.4

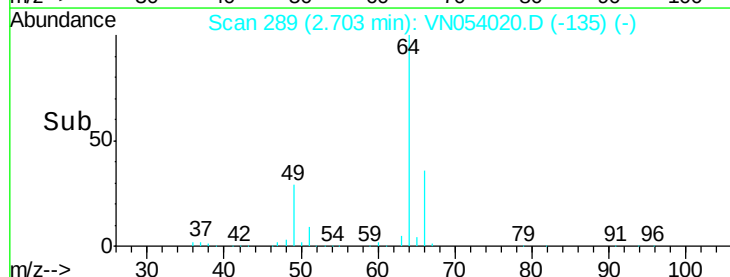


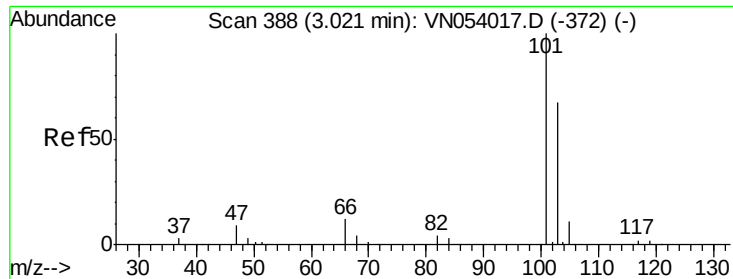
Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



Time-->





#7

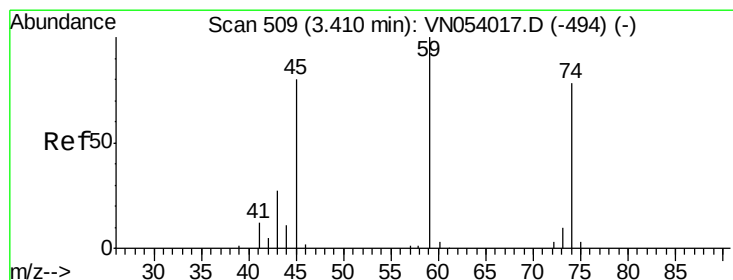
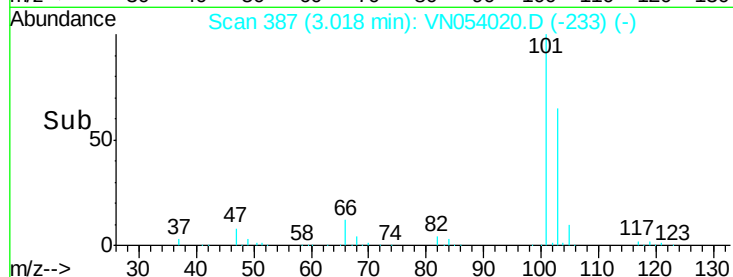
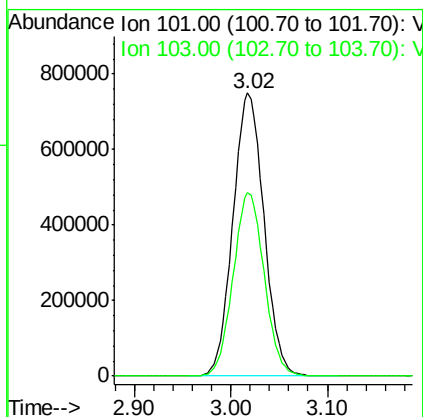
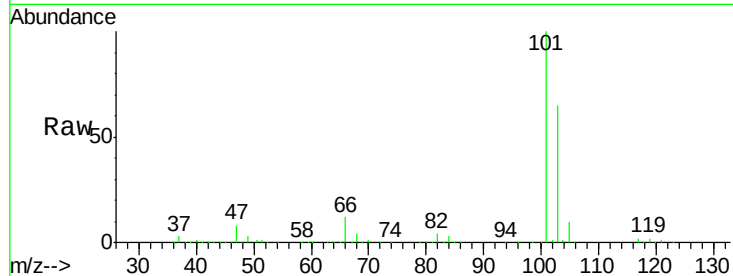
Trichlorofluoromethane
Concen: 143.983 ug/l
RT: 3.02 min Scan# 387
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

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

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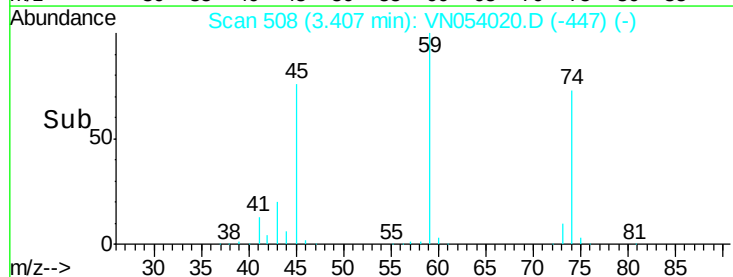
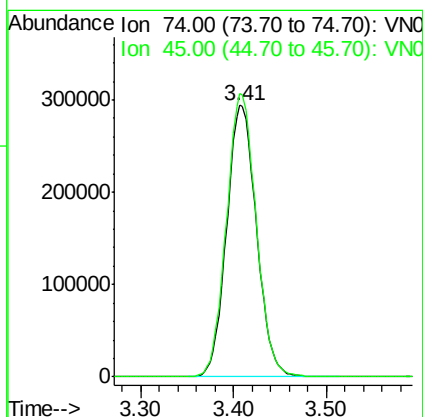
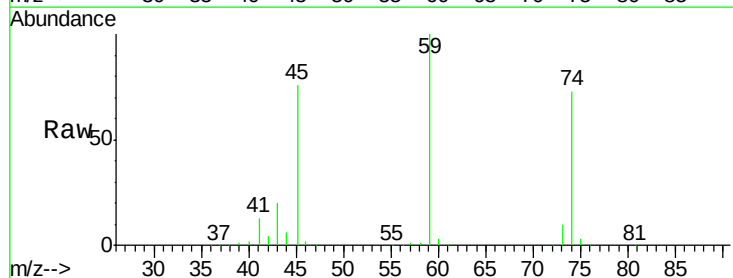
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3/6/2019 10:23:29 AM

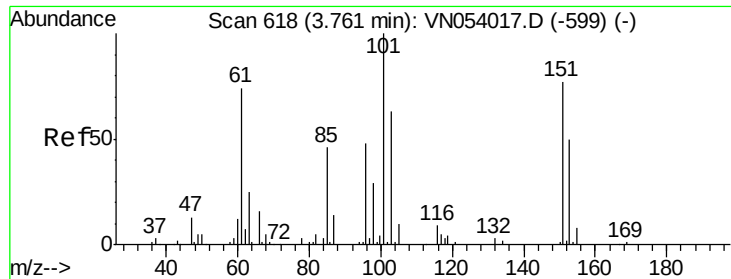


#8

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

ClientSampled :

VSTDIC150

Tot Ion:101 Resp: 1052120

Ion Ratio Lower Upper

101 100

85 42.8 0.0 82.6

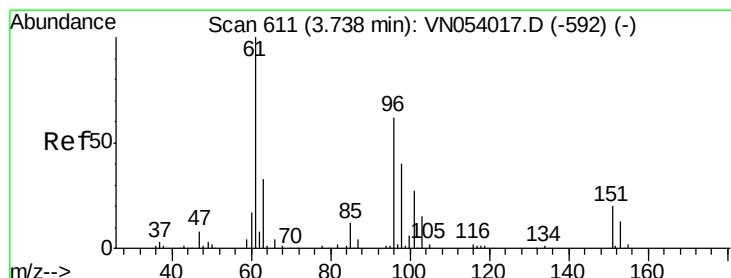
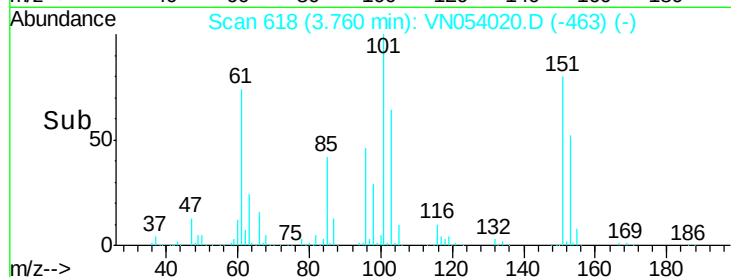
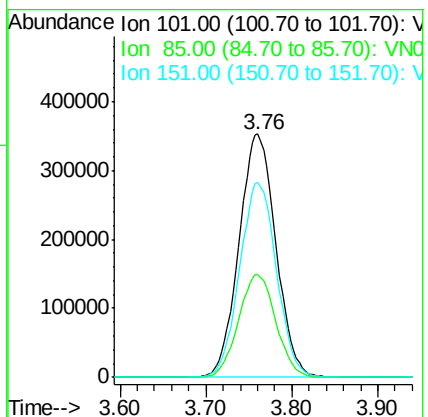
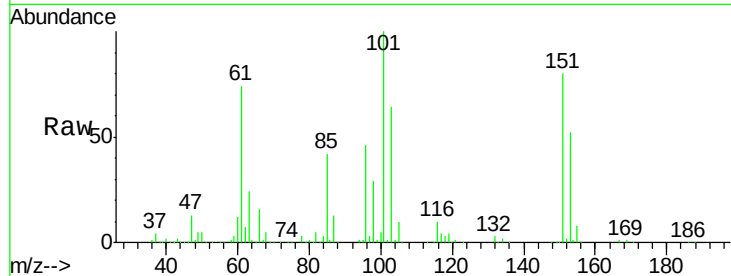
151 80.3 0.0 158.4

Manual Integrations

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#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

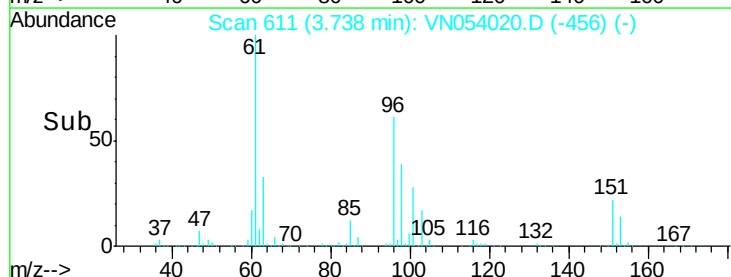
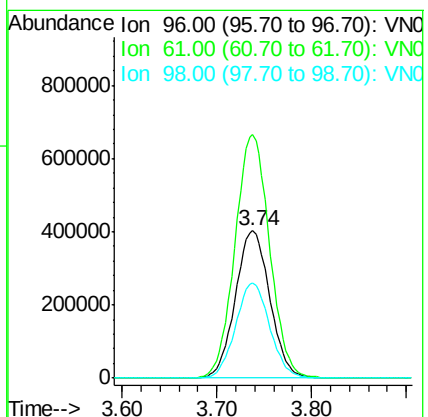
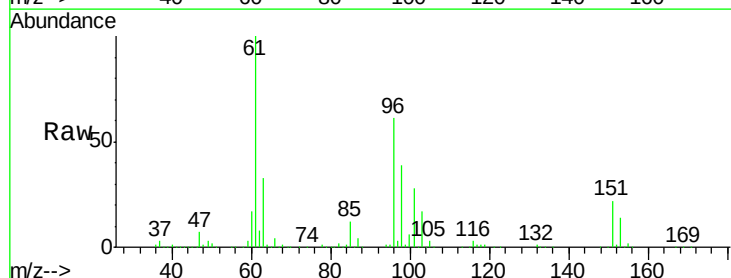
Tgt Ion: 96 Resp: 1024392

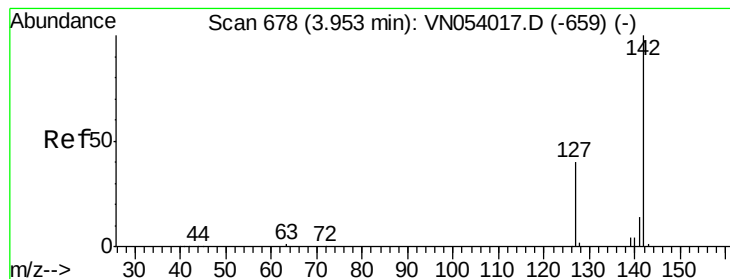
Ion Ratio Lower Upper

96 100

61 165.2 129.4 194.2

98 64.6 50.4 75.6





#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

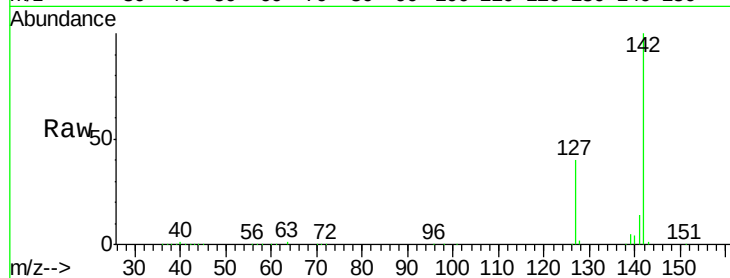
142 100

127 40.2 19.4 58.1

141 14.0 7.2 21.6

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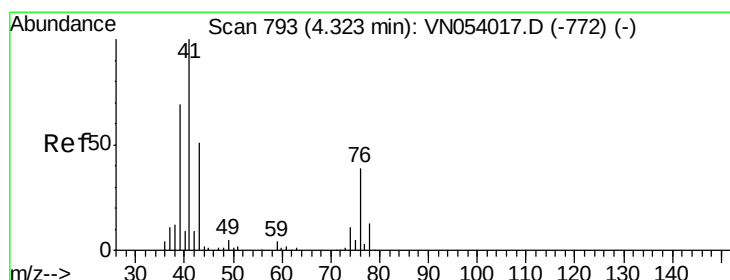
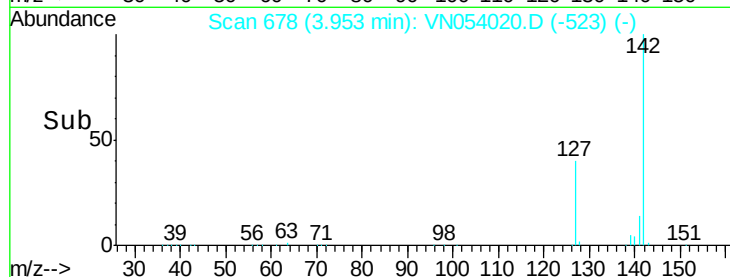
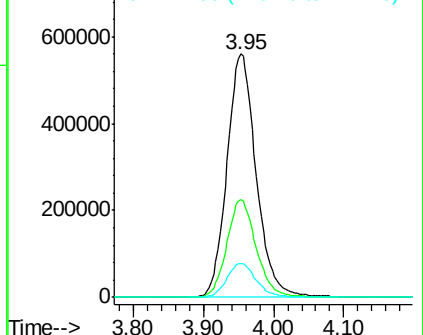
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3/6/2019 10:23:29 AM



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

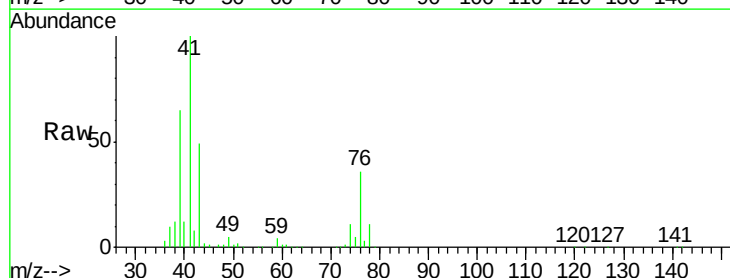
Acq: 1 Mar 2019 10:50

Tgt Ion: 43 Resp: 883545

Ion Ratio Lower Upper

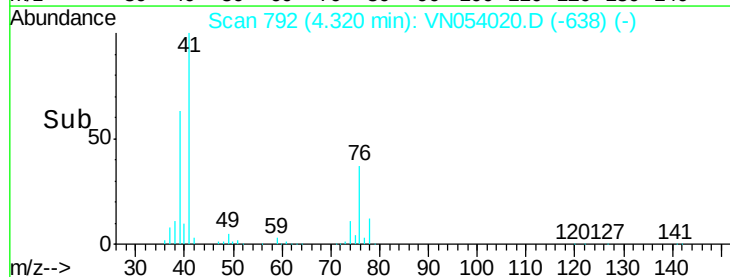
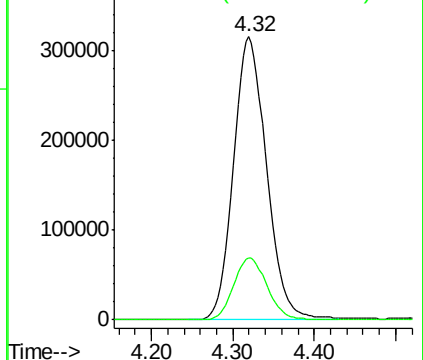
43 100

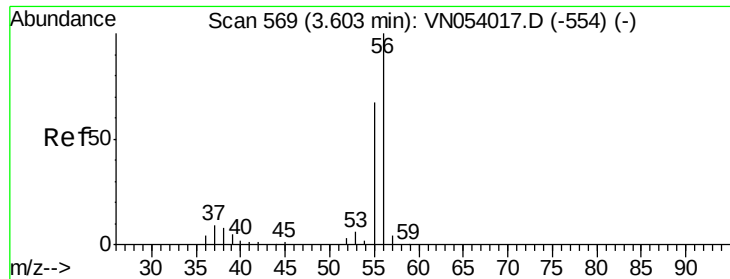
74 22.1 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 74.00 (73.70 to 74.70): V





#13

Acrolein

Concen: 919.026 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

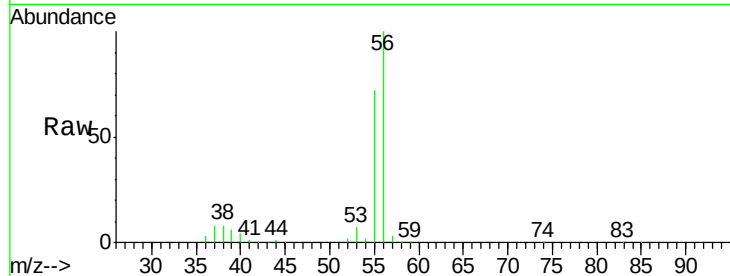
55 71.8 56.7 85.1

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3/6/2019 10:23:29 AM



Abundance Ion 56.00 (55.70 to 56.70): VN054017.D (-554) (-)

Ion 55.00 (54.70 to 55.70): VN054017.D (-554) (-)

3.60

250000

200000

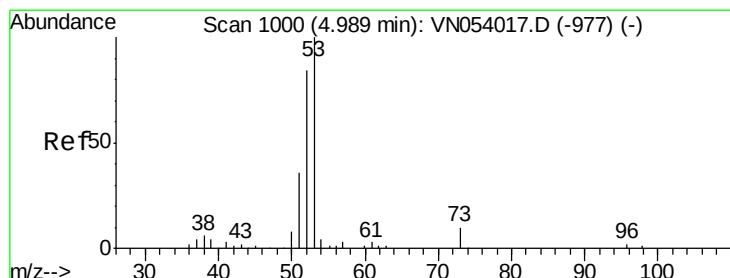
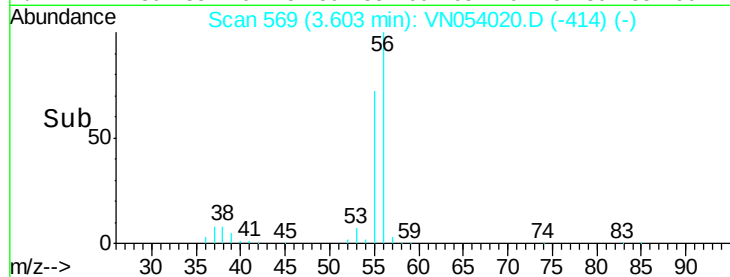
150000

100000

50000

0

Time-->



#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

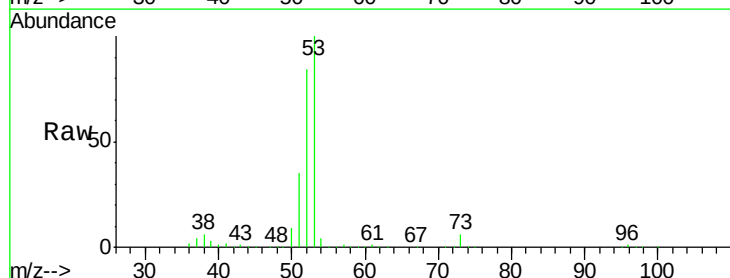
Tgt Ion: 53 Resp: 2148848

Ion Ratio Lower Upper

53 100

52 82.5 39.9 119.7

51 35.8 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VN054017.D (-977) (-)

Ion 52.00 (51.70 to 52.70): VN054017.D (-977) (-)

Ion 51.00 (50.70 to 51.70): VN054017.D (-977) (-)

4.98

800000

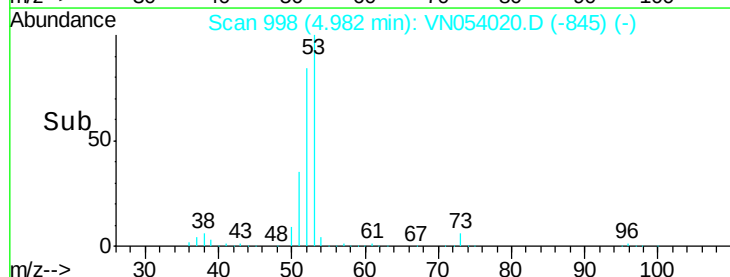
600000

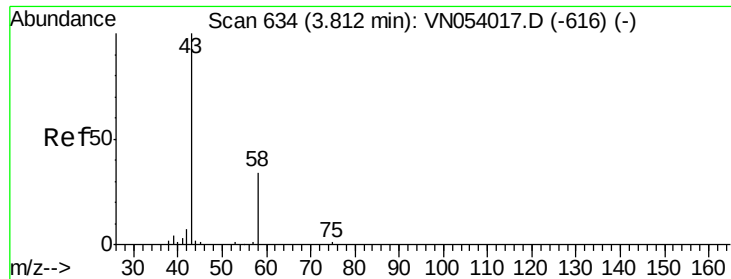
400000

200000

0

Time-->





#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

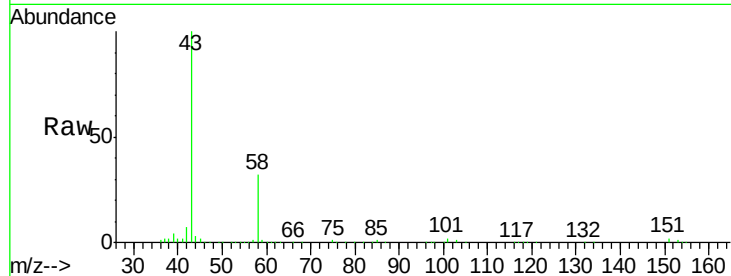
43 310.6 243.6 365.4

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3/6/2019 10:23:29 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

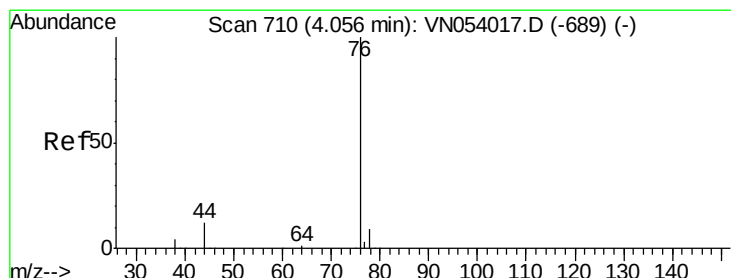
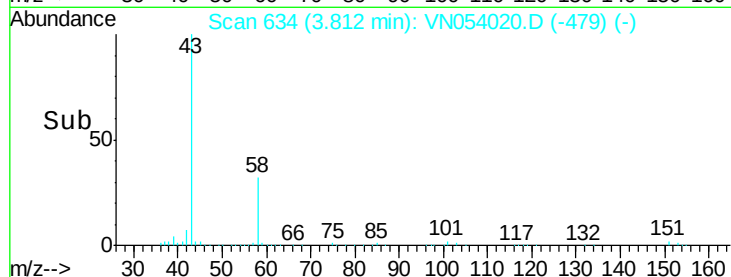
600000

400000

200000

3.81

Time-->



#16

Carbon Disulfide

Concen: 150.321 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054020.D

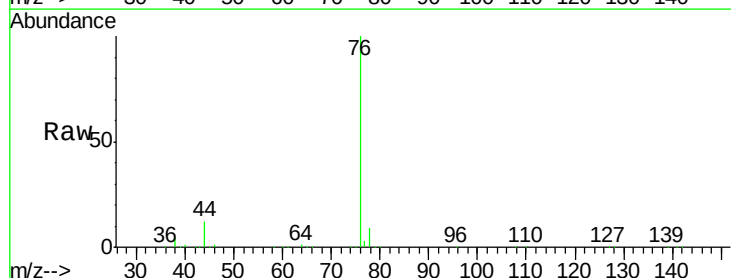
Acq: 1 Mar 2019 10:50

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): VN0

Ion 78.00 (77.70 to 78.70): VN0

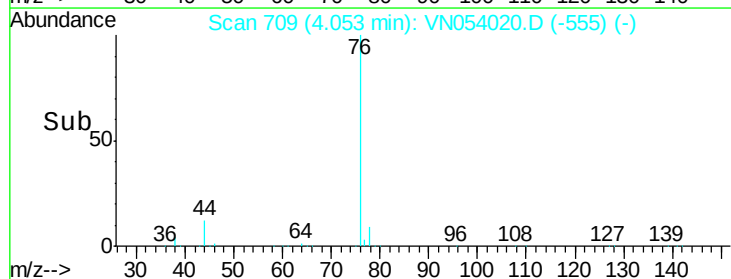
1500000

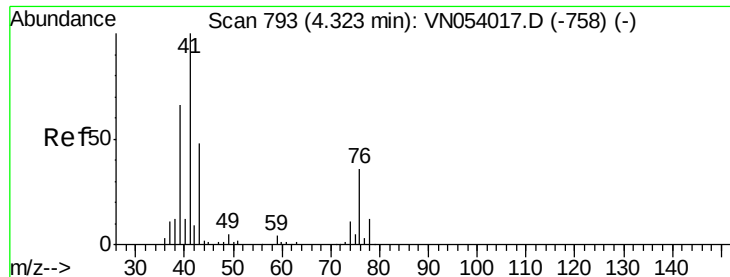
1000000

500000

4.05

Time-->





#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

ClientSampled :

VSTDIC150

Tot Ion: 41 Resp: 1843450

Ion Ratio Lower Upper

41 100

39 65.1 32.8 98.3

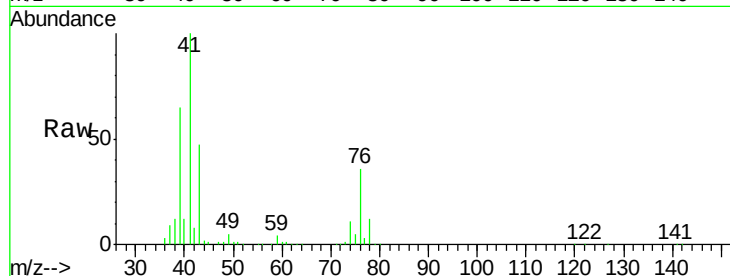
76 36.4 18.6 55.8

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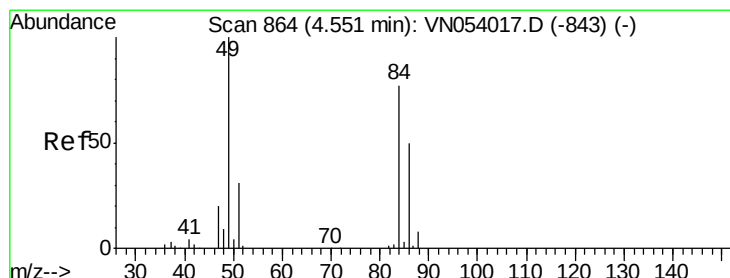
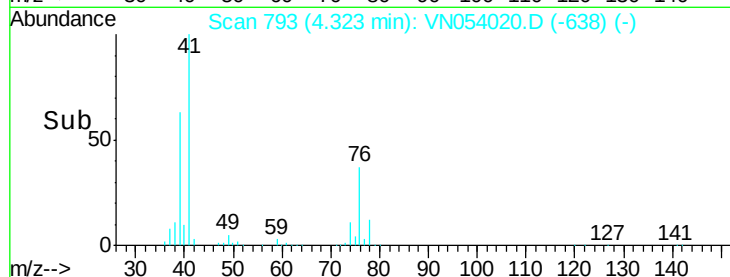
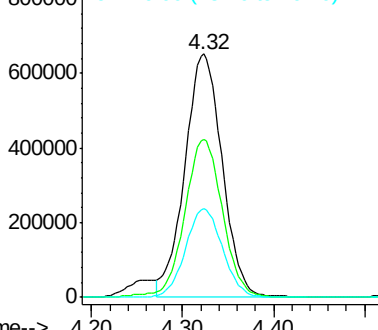


Abundance

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 76.00 (75.70 to 76.70): VNO



#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

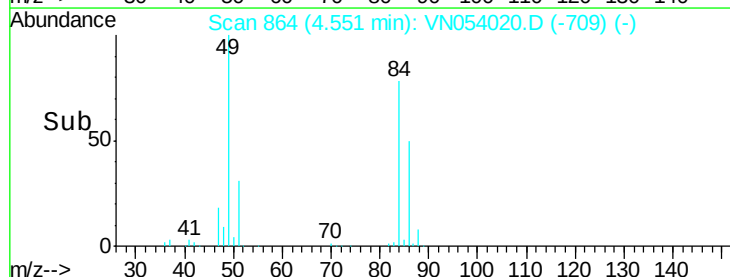
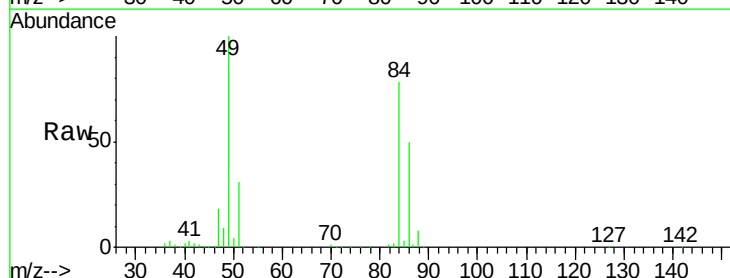
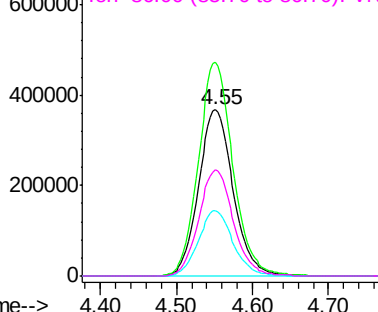
Abundance

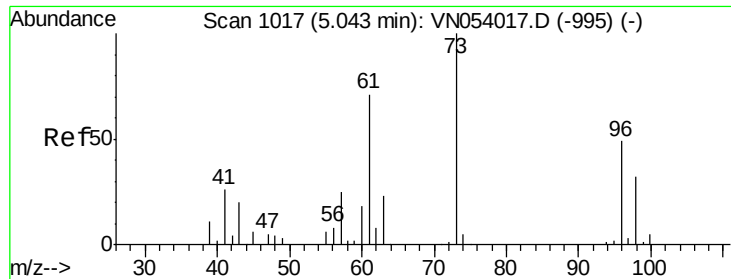
Ion 84.00 (83.70 to 84.70): VNO

Ion 49.00 (48.70 to 49.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

Ion 86.00 (85.70 to 86.70): VNO





#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

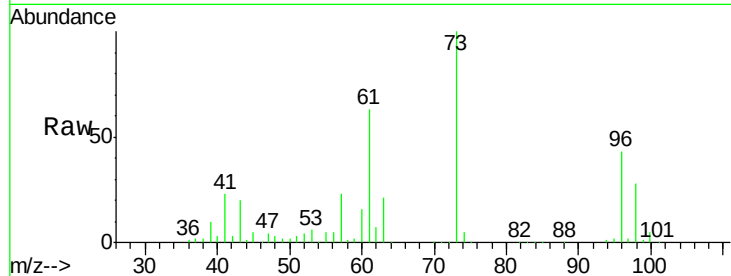
98 64.8 51.4 77.2

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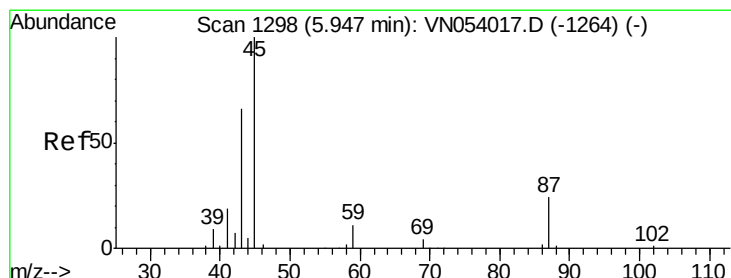
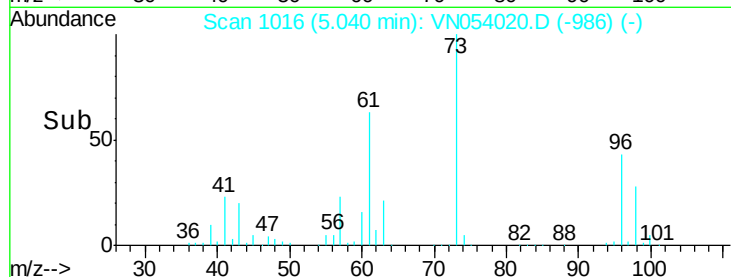
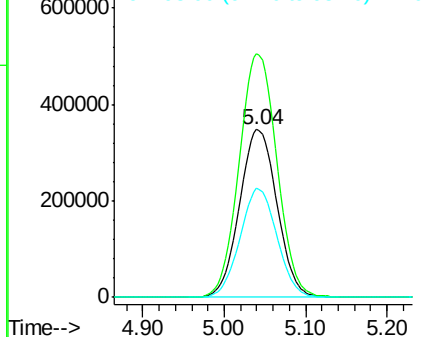
3/6/2019 10:23:29 AM



Abundance Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#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

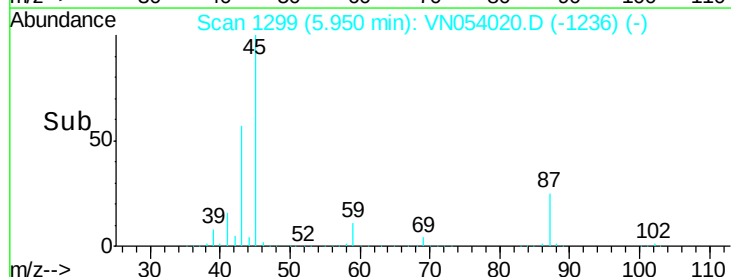
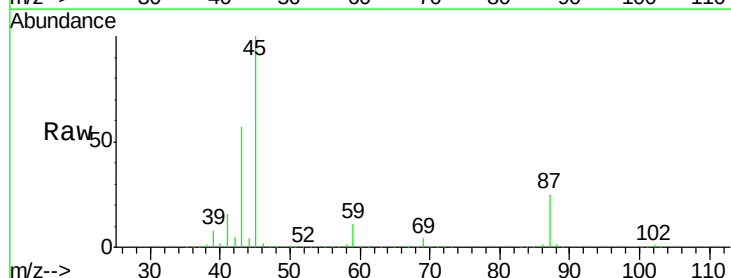
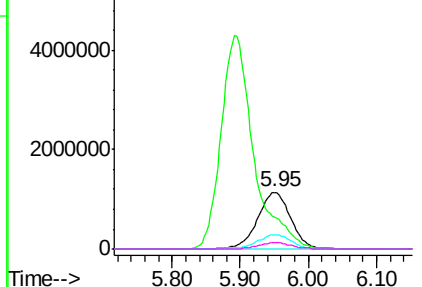
59 11.2 8.9 13.3

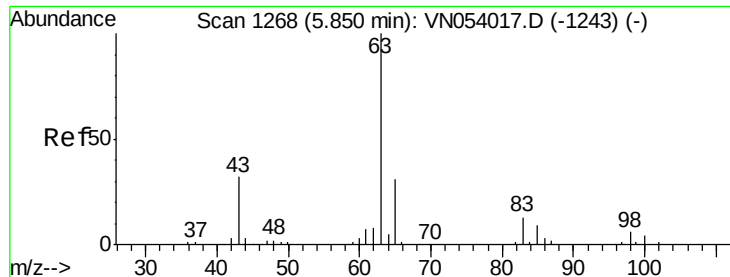
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





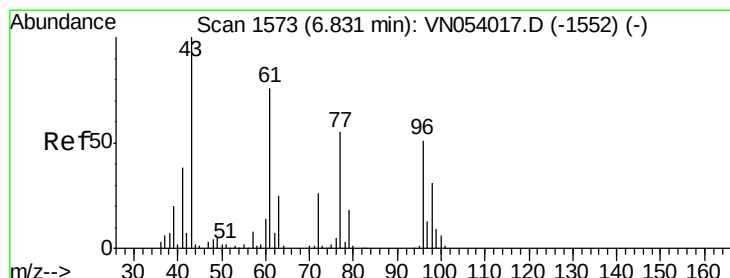
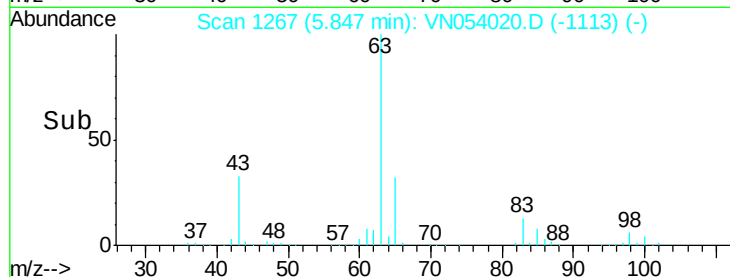
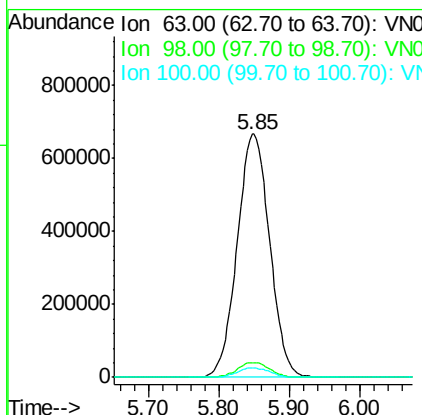
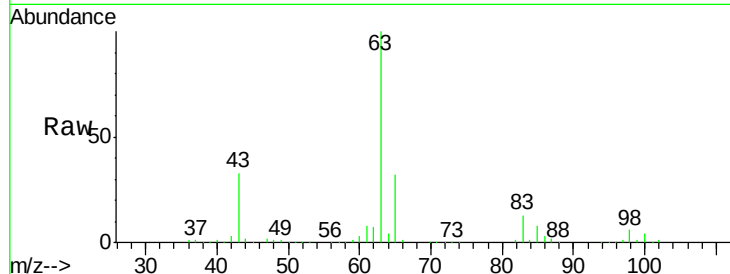
#21
 1,1-Dichloroethane
 Concen: 146.762 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

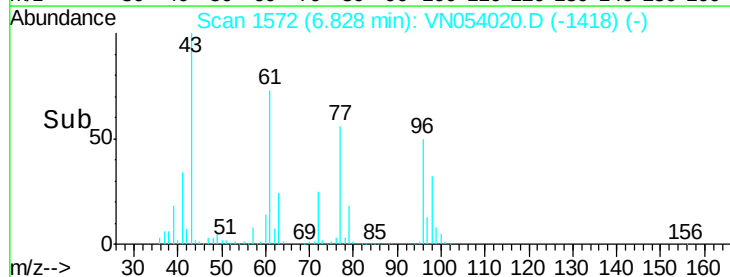
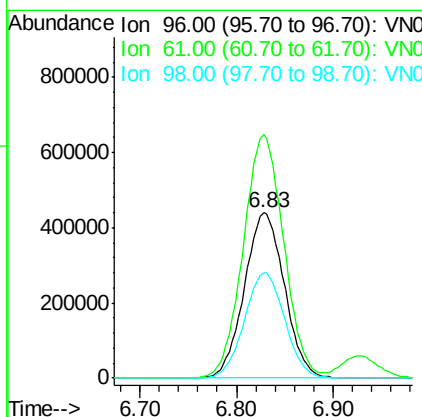
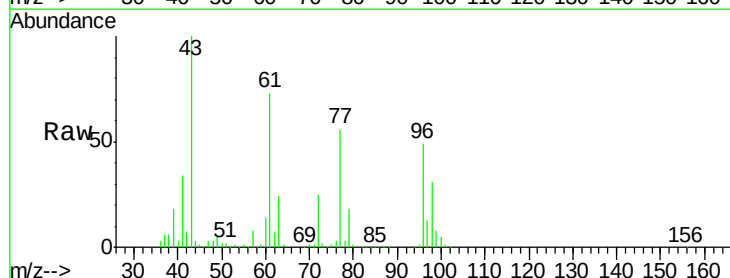
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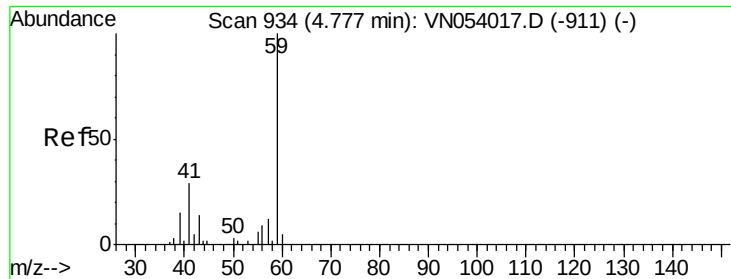
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 3/6/2019 10:23:29 AM



#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	Ratio	Lower	Upper
96	100		
61	148.9	116.7	175.1
98	64.4	50.8	76.2





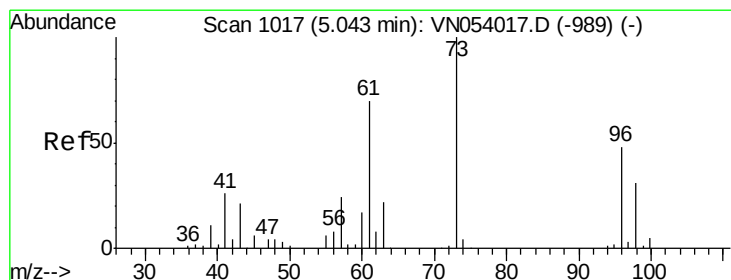
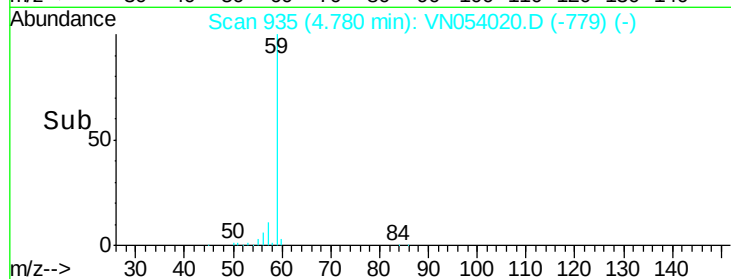
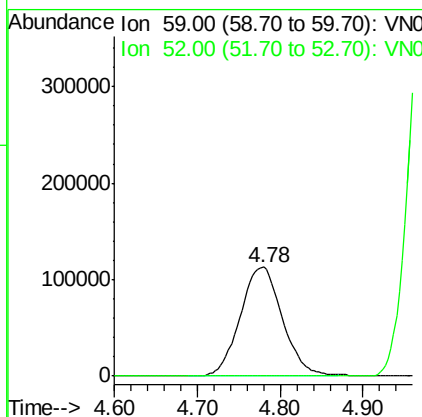
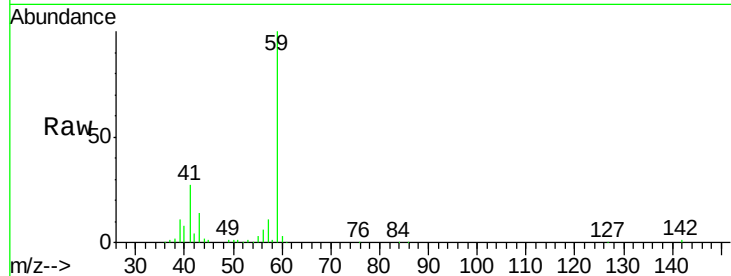
#23
 tert-Butyl Alcohol
 Concen: 787.496 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

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

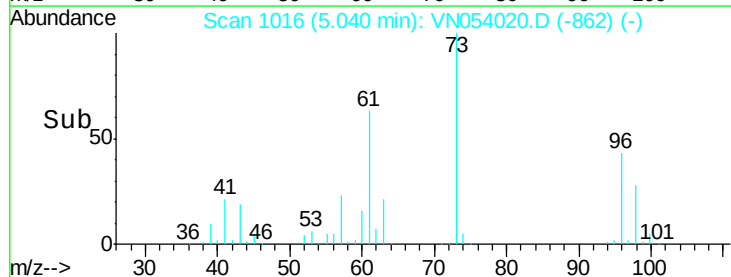
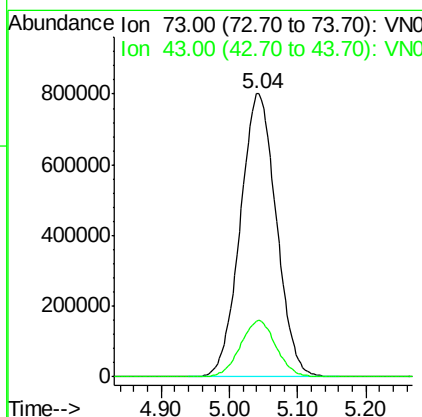
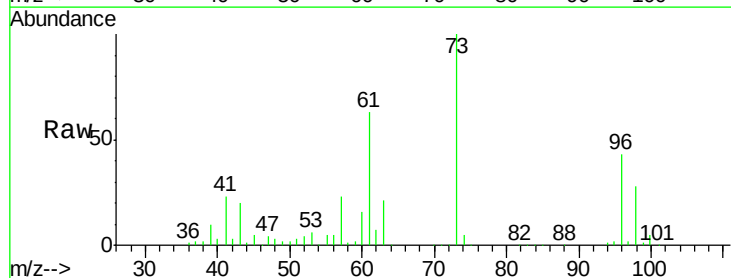
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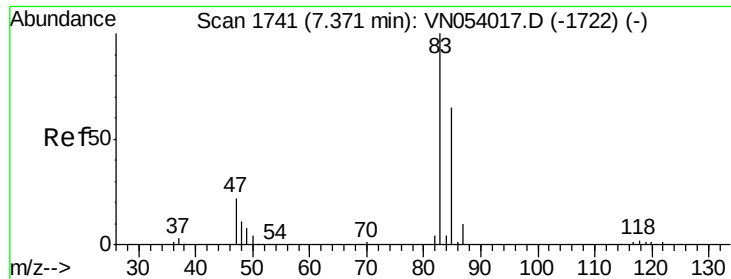
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 3/6/2019 10:23:29 AM



#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





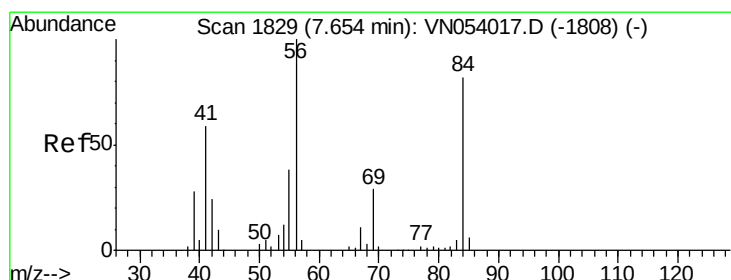
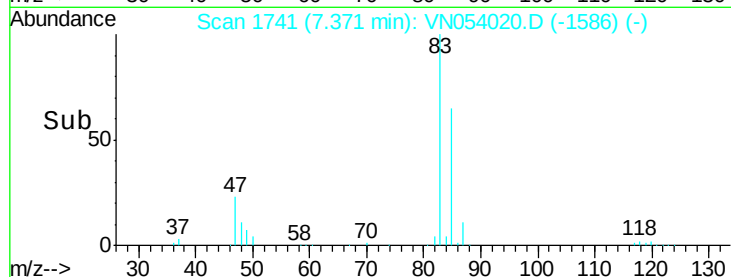
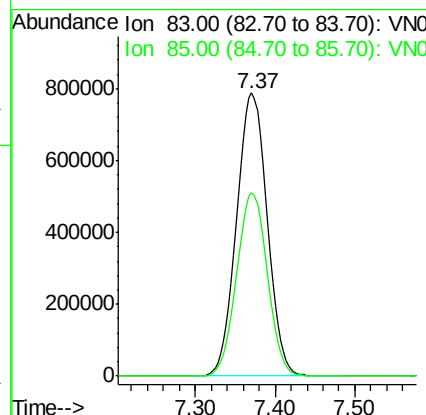
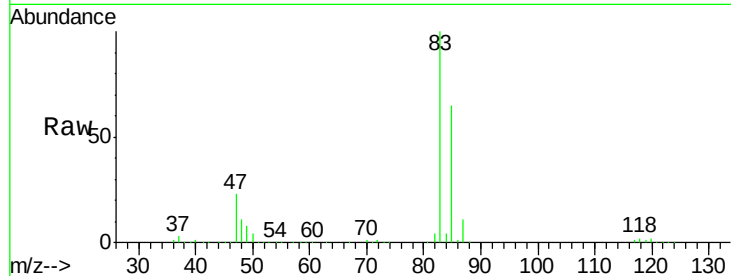
#25
Chloroform
Concen: 145.337 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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

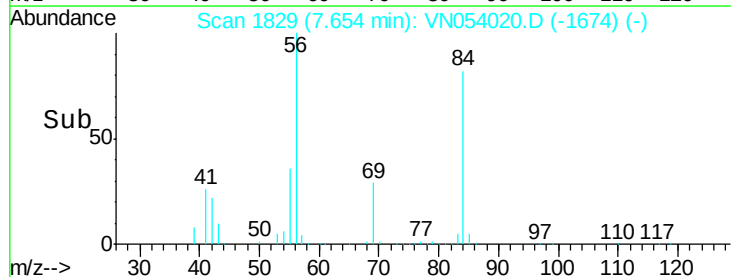
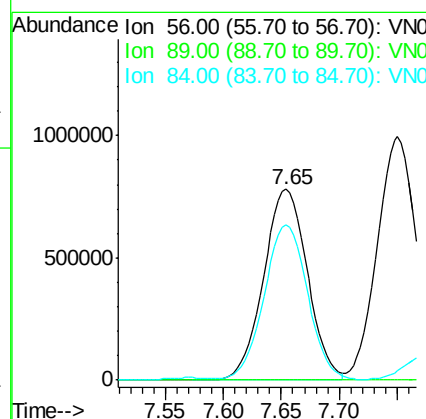
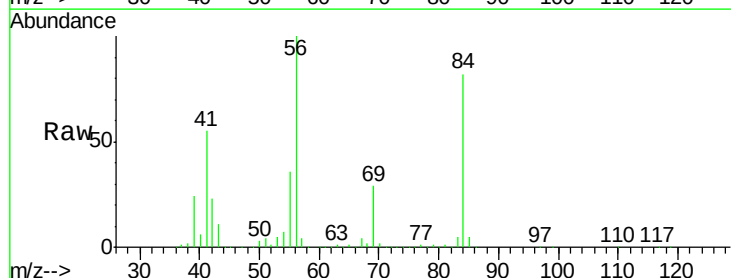
Manual Integrations
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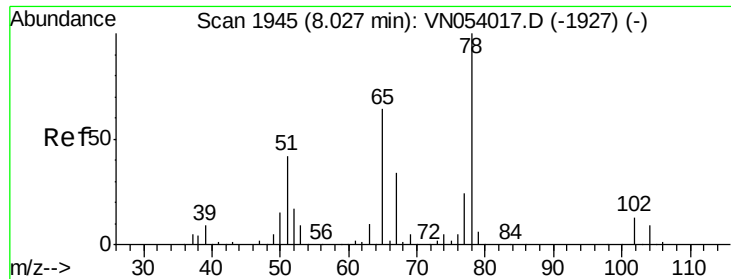
MMDadoda
3/6/2019 10:23:29 AM



#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





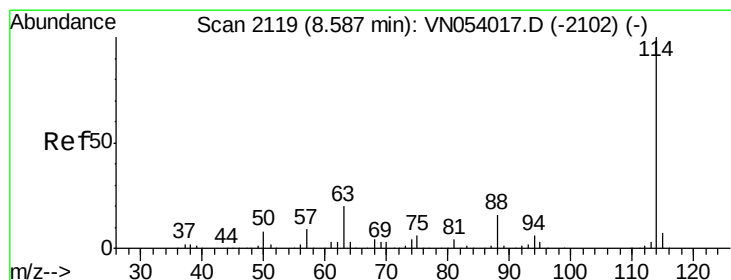
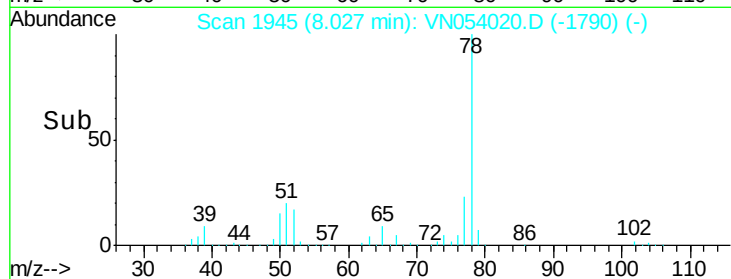
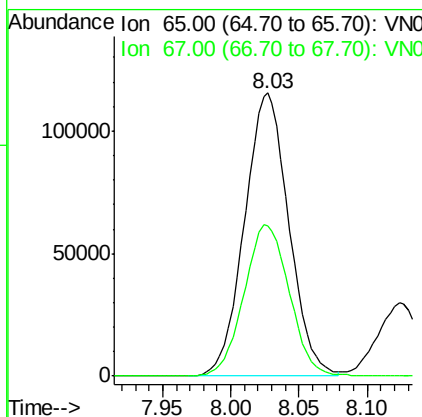
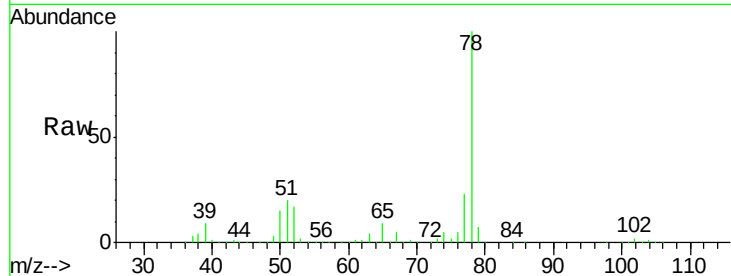
#27
 1,2-Dichloroethane-d4
 Concen: 154.712 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.7	44.6	66.8

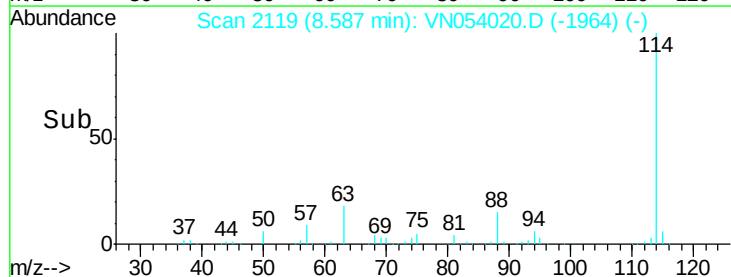
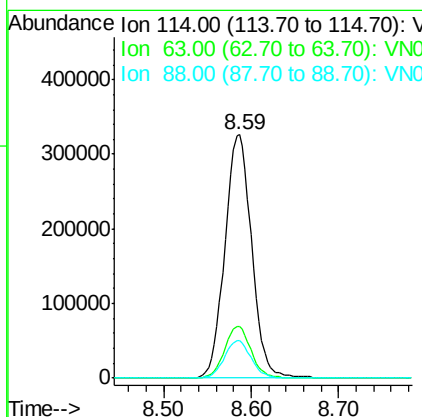
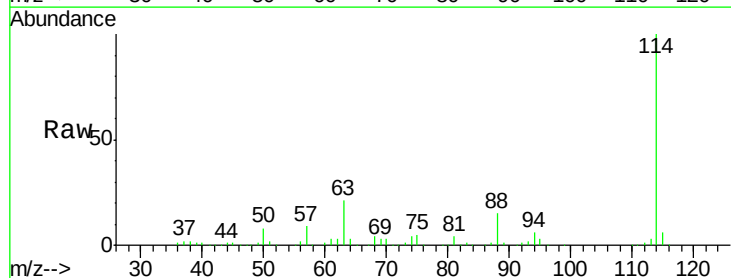
Manual Integrations
 APPROVED

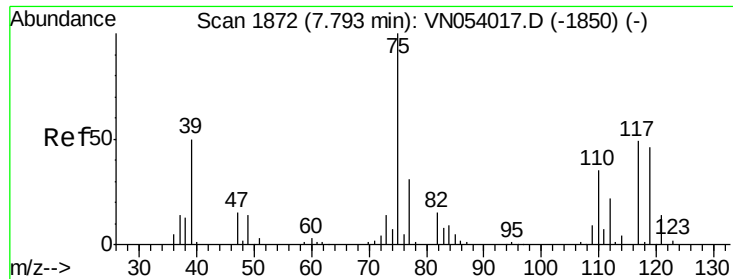
MMDadoda
 3/6/2019 10:23:29 AM



#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	Ratio	Lower	Upper
114	100		
63	20.9	16.9	25.3
88	15.2	12.8	19.2





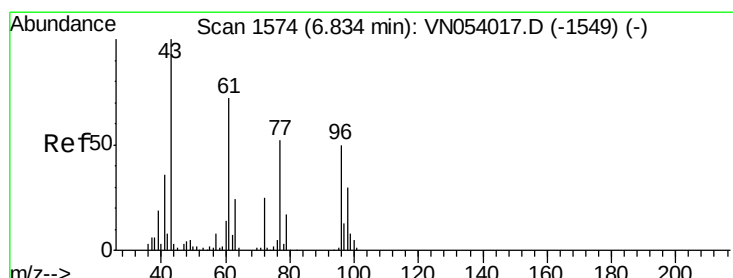
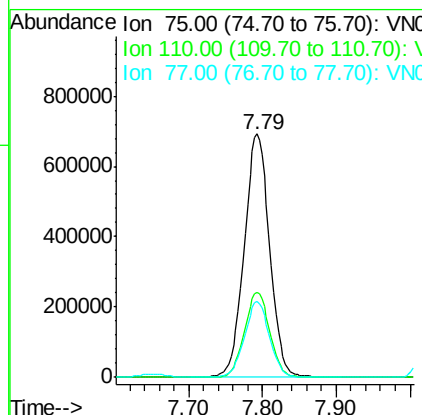
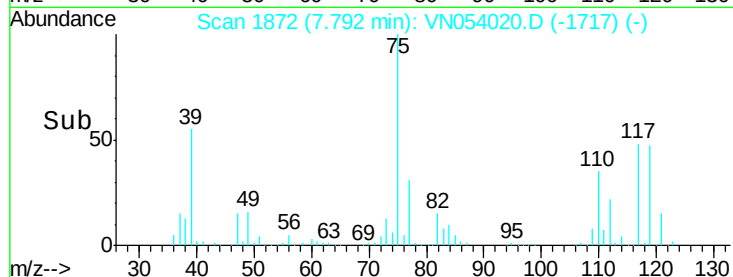
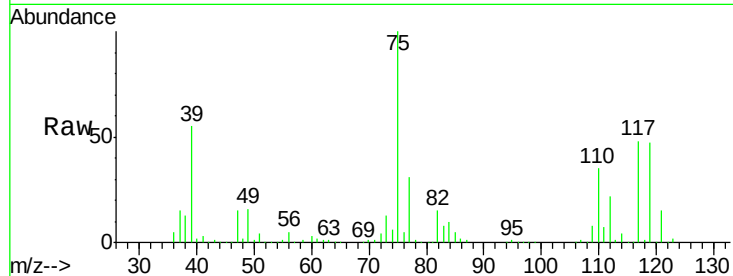
#29
 1,1-Dichloropropene
 Concen: 152.773 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

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

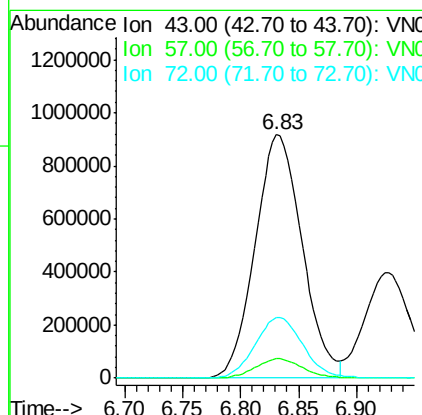
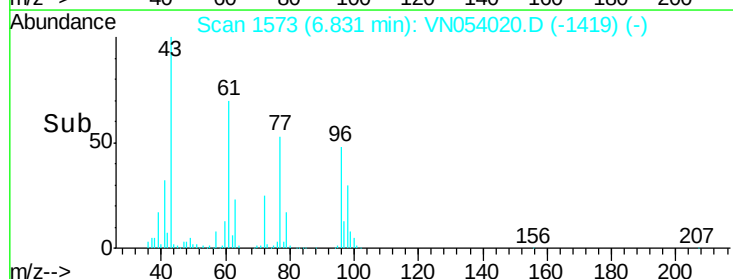
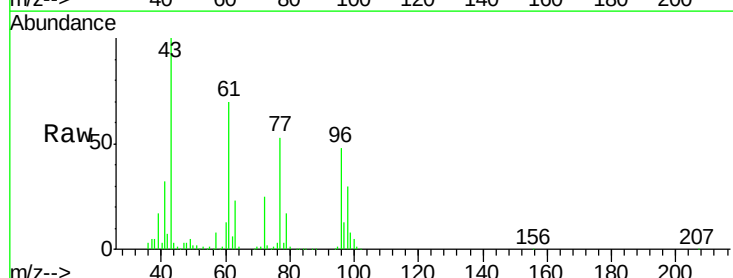
Manual Integrations
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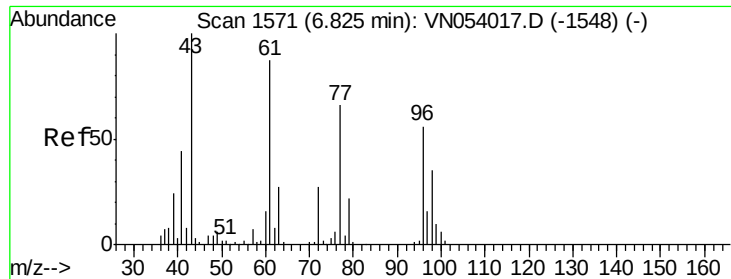
MMDadoda
 3/6/2019 10:23:29 AM



#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





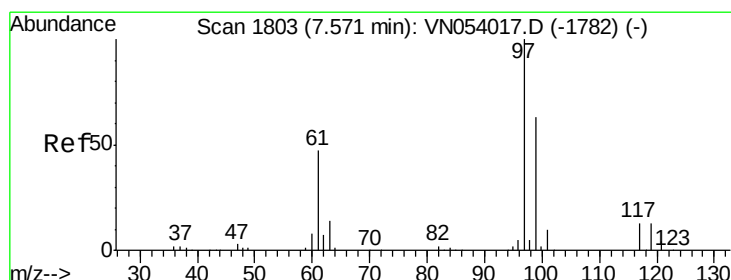
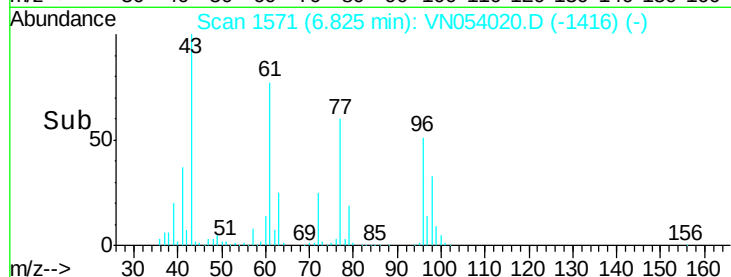
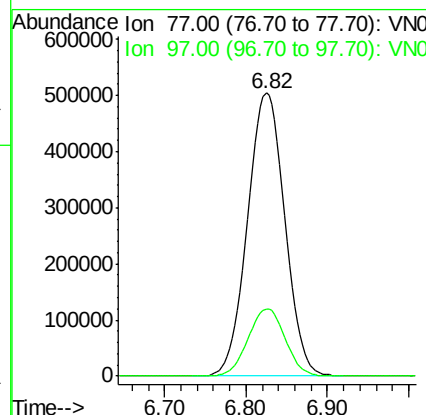
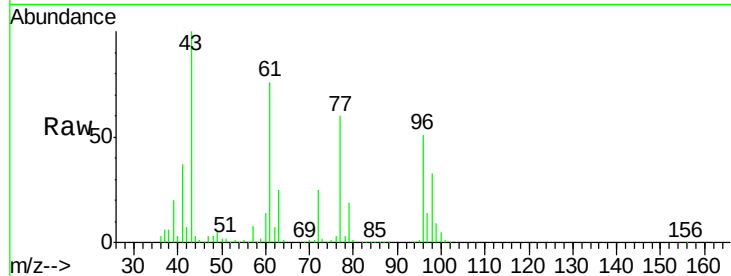
#31
 2,2-Dichloropropane
 Concen: 148.880 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion: 77 Resp: 1595655
 Ion Ratio Lower Upper
 77 100
 97 23.6 18.7 28.1

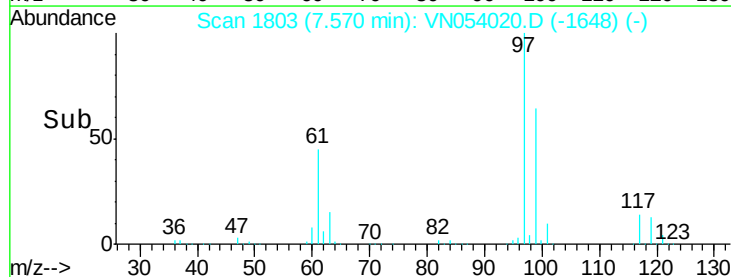
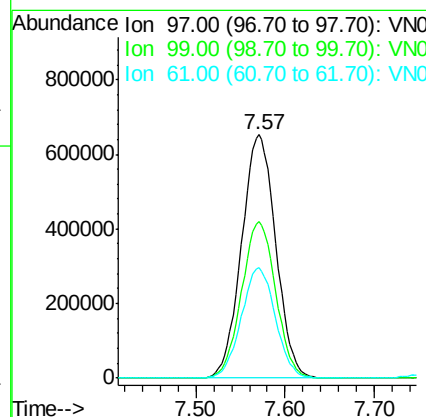
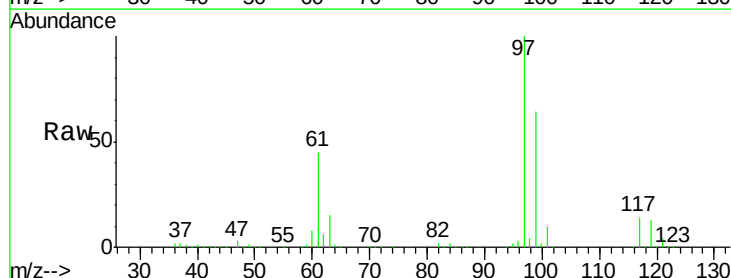
Manual Integrations
 APPROVED

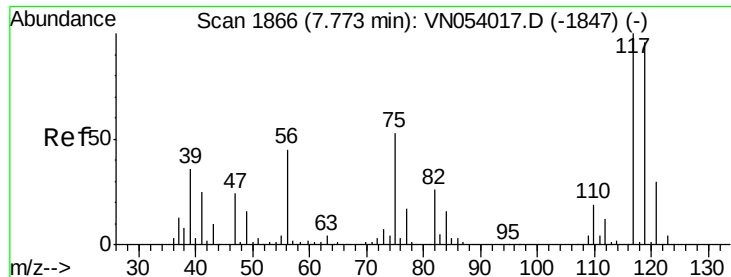
MMDadoda
 3/6/2019 10:23:29 AM



#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

ClientSampled :

VSTDIC150

Tot Ion:117 Resp: 1552699

Ion Ratio Lower Upper

117 100

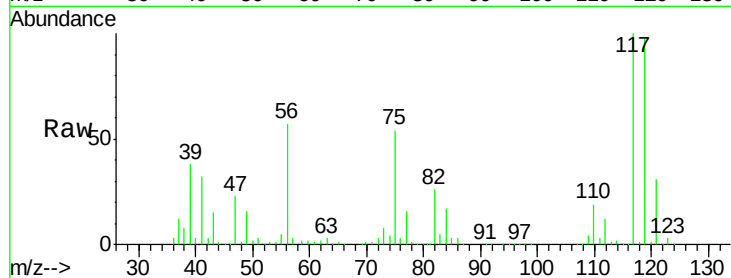
119 97.8 77.3 115.9

121 30.7 24.9 37.3

Manual Integrations
APPROVED

MMDadoda

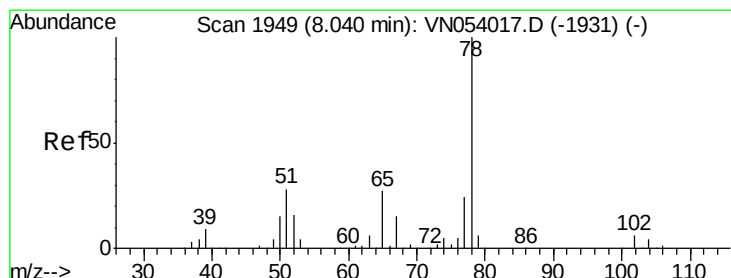
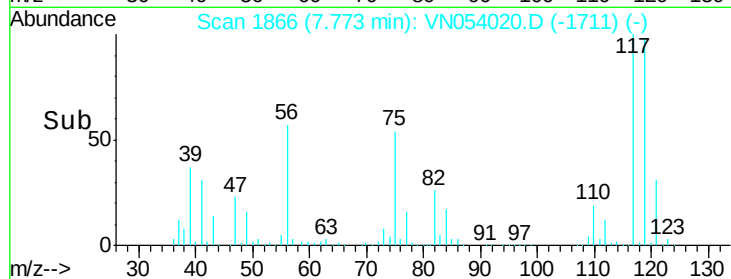
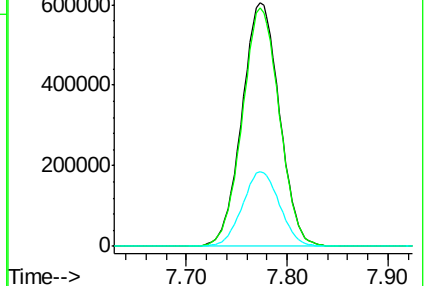
3/6/2019 10:23:29 AM



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

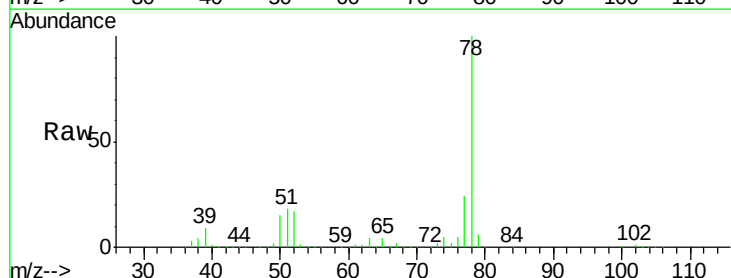
Tgt Ion: 78 Resp: 4846036

Ion Ratio Lower Upper

78 100

77 23.8 19.0 28.6

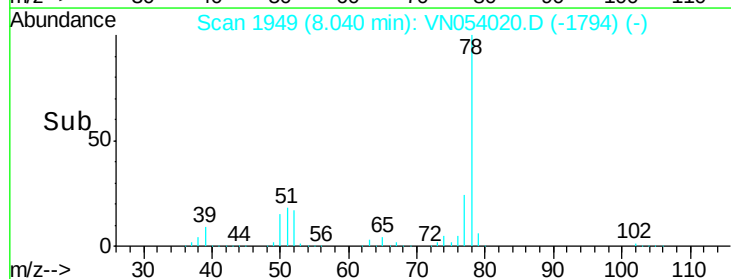
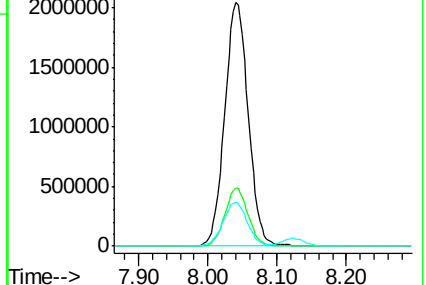
51 18.0 20.5 30.7#

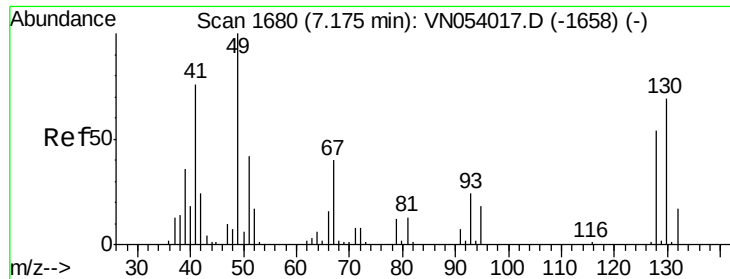


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





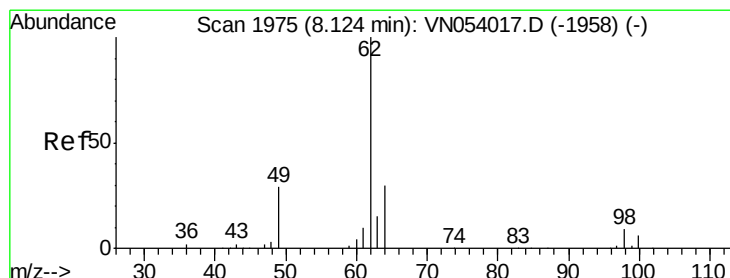
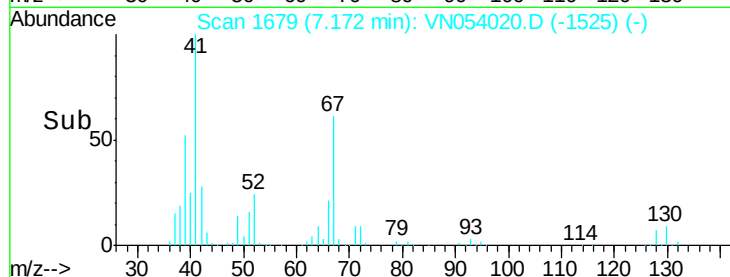
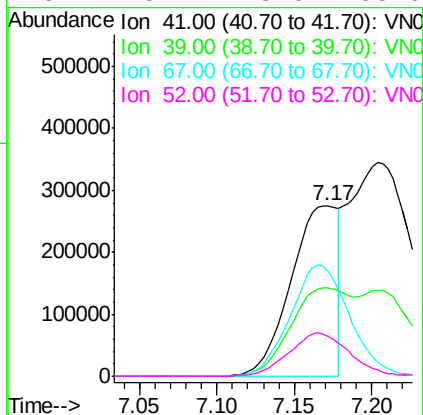
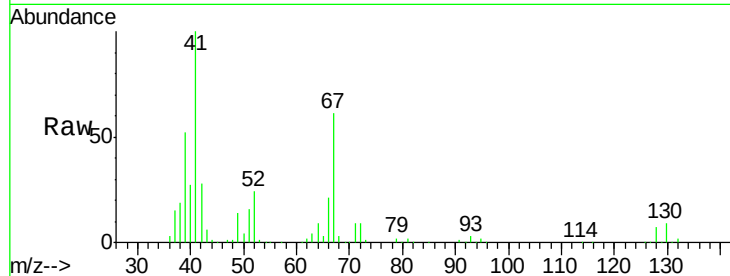
#35
Methacrylonitrile
Concen: 150.311 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDICC150

Tot Ion	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	

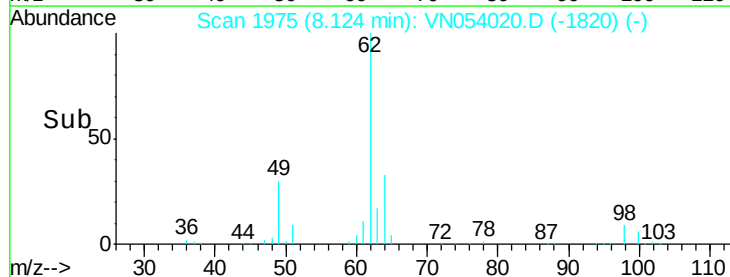
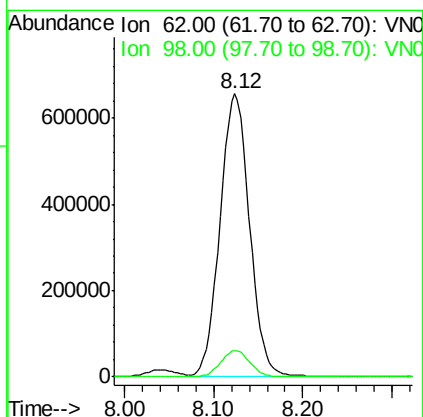
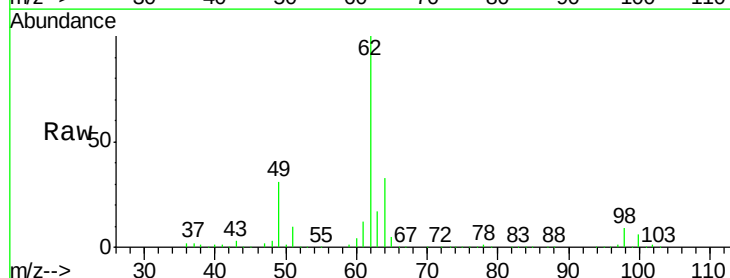
Manual Integrations
APPROVED

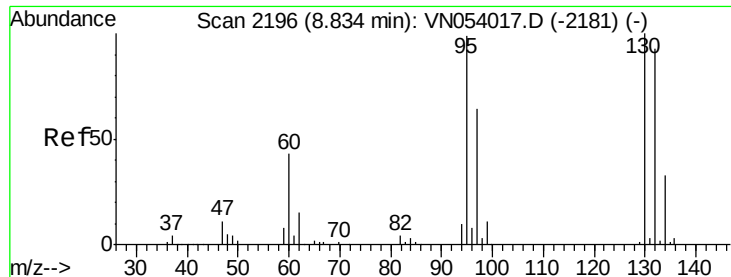
MMDadoda
3/6/2019 10:23:29 AM



#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	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.4	11.2	





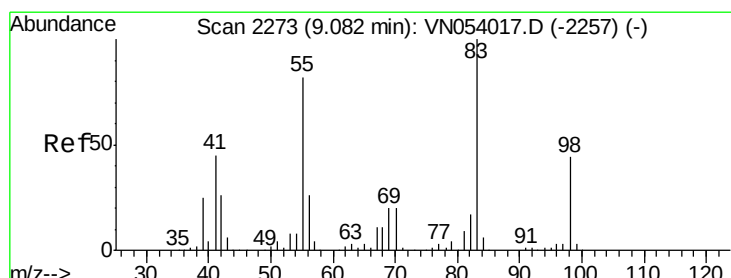
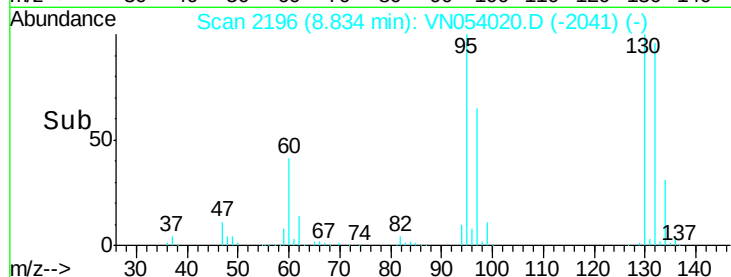
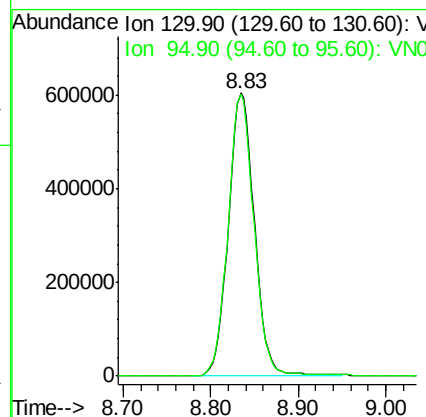
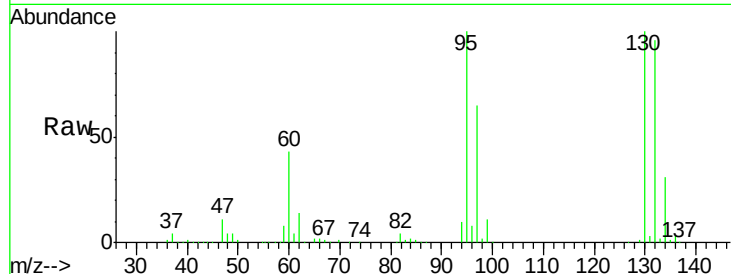
#37
 Trichloroethene
 Concen: 148.244 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tot Ion:130 Resp: 1250047
 Ion Ratio Lower Upper
 130 100
 95 99.7 81.0 121.4

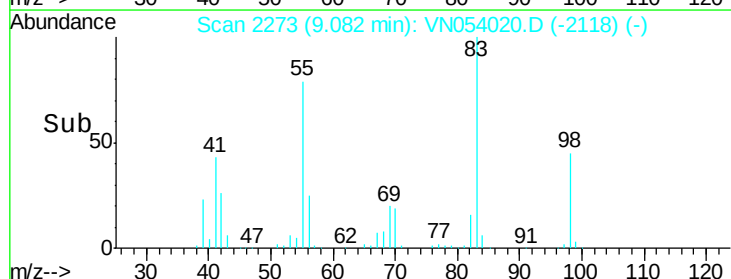
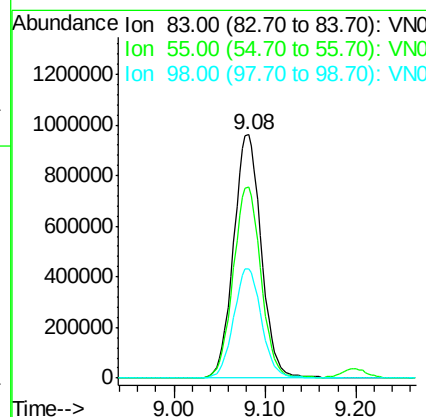
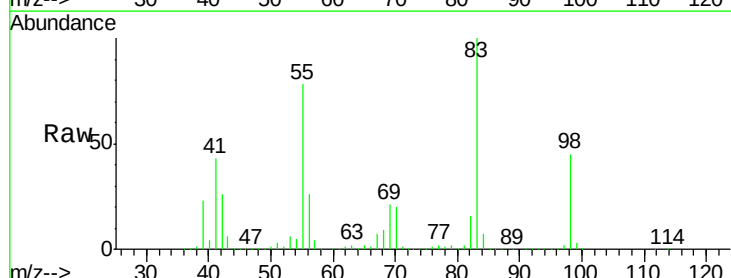
Manual Integrations
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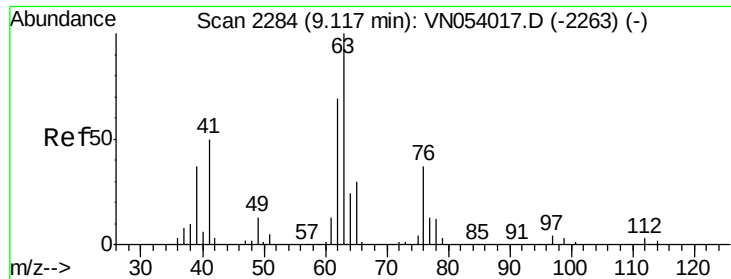
MMDadoda
 3/6/2019 10:23:29 AM



#38
 Methylcyclohexane
 Concen: 160.621 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





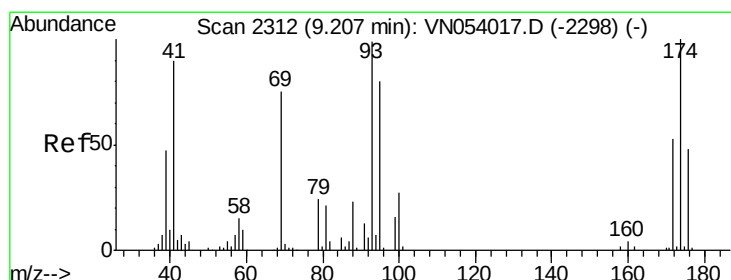
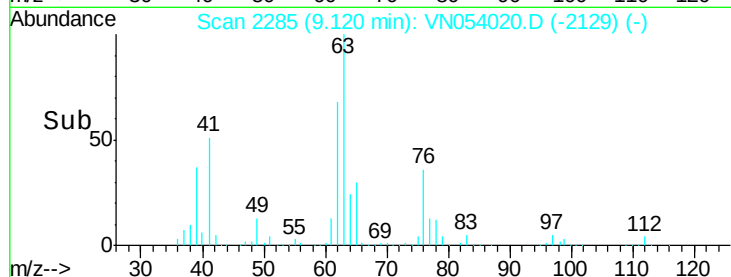
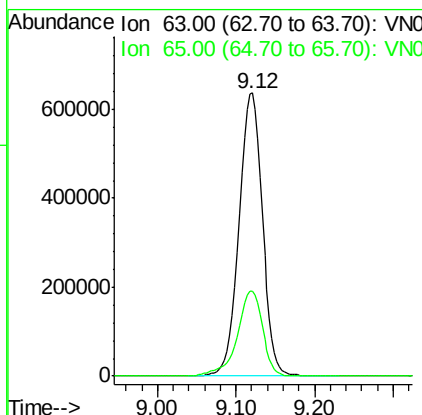
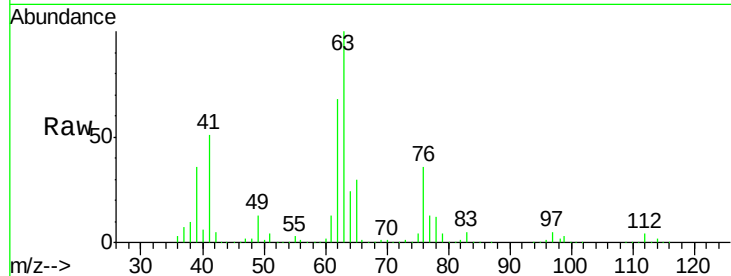
#39
 1,2-Dichloropropane
 Concen: 187.929 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

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

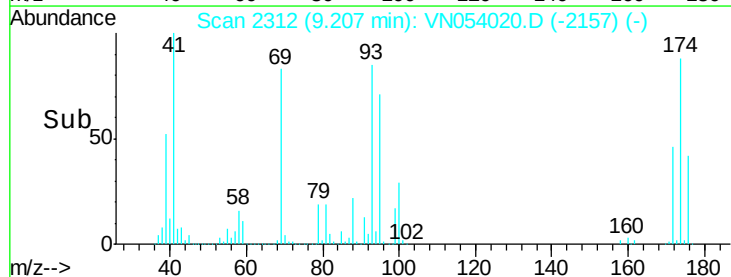
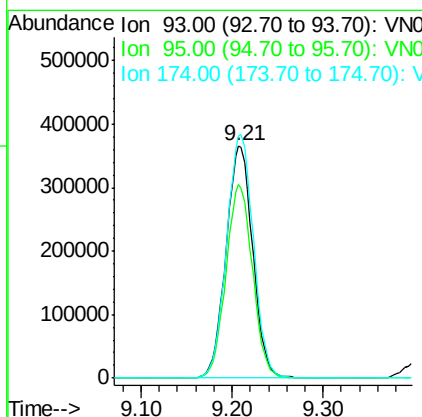
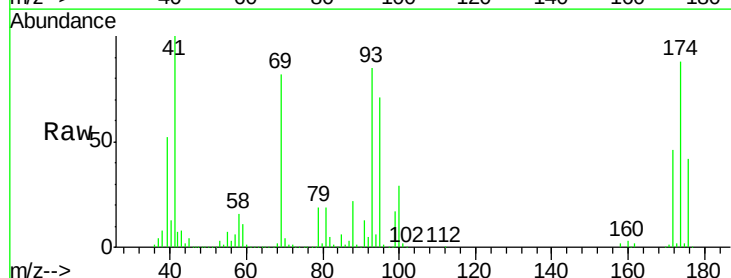
Manual Integrations
 APPROVED

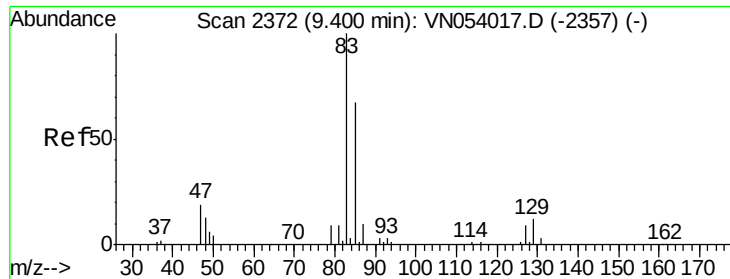
MMDadoda
 3/6/2019 10:23:29 AM



#40
 Dibromomethane
 Concen: 182.781 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





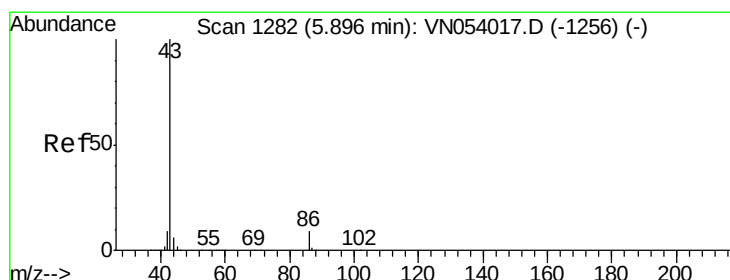
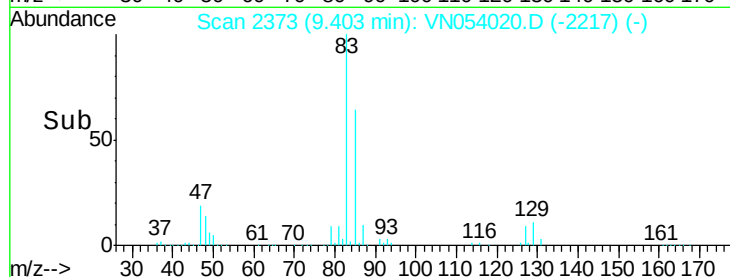
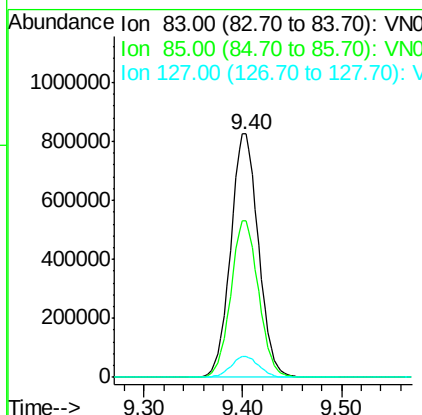
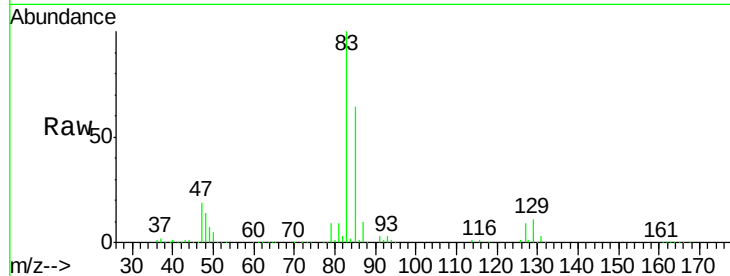
#41
Bromodichloromethane
Concen: 144.332 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
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

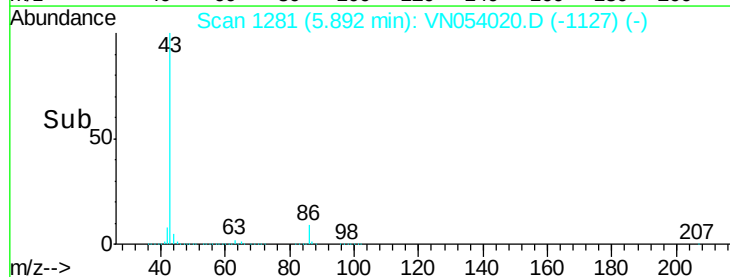
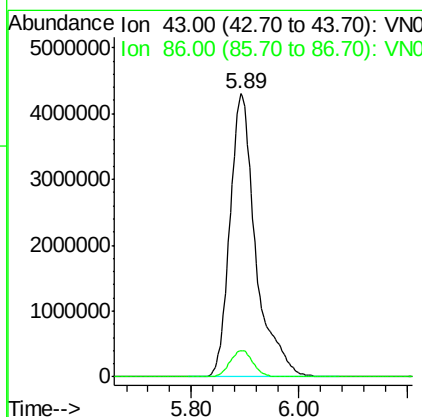
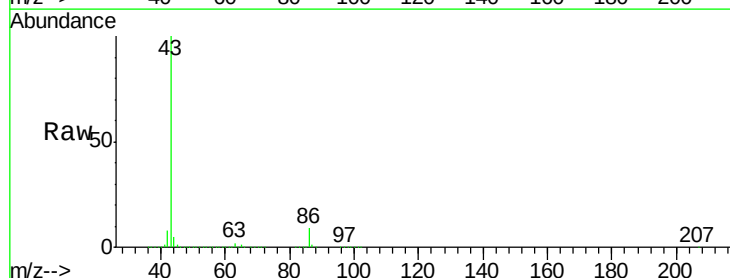
Manual Integrations
APPROVED

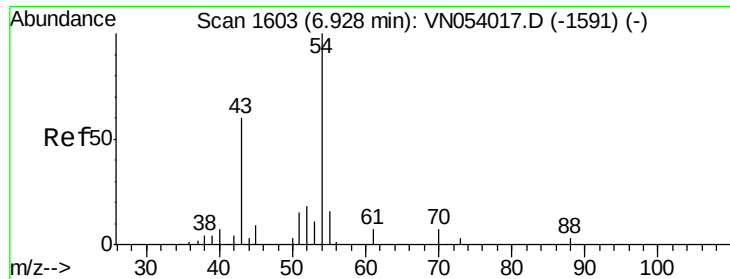
MMDadoda
3/6/2019 10:23:29 AM



#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





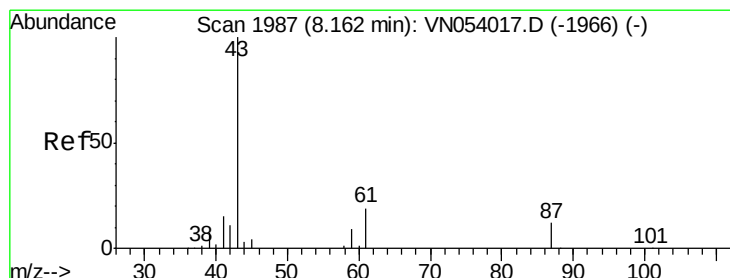
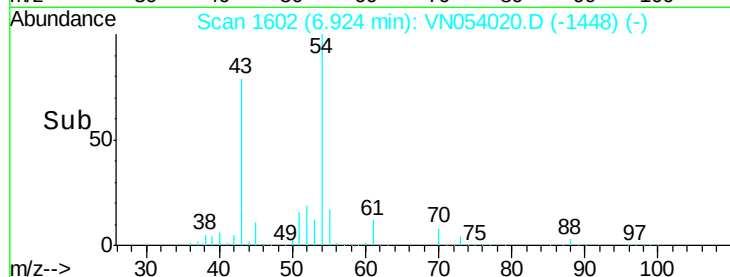
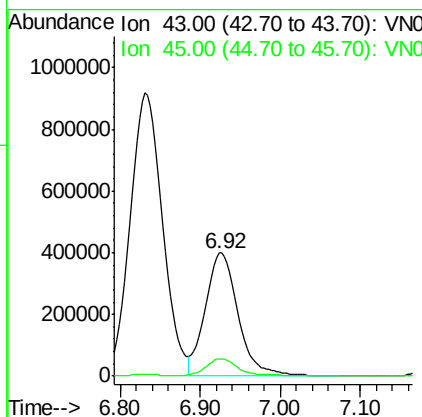
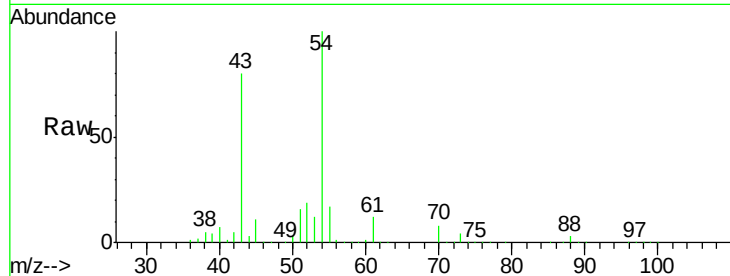
#43
Ethyl Acetate
Concen: 157.131 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 43 Resp: 1129507
Ion Ratio Lower Upper
43 100
45 13.1 1.0 1.6#

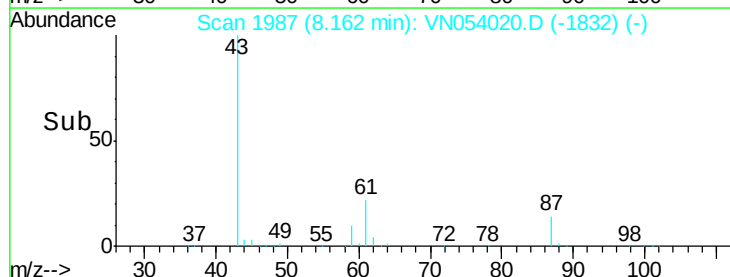
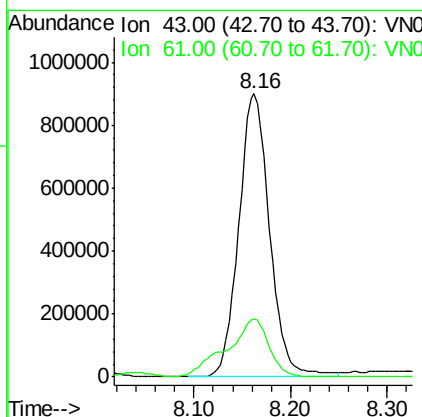
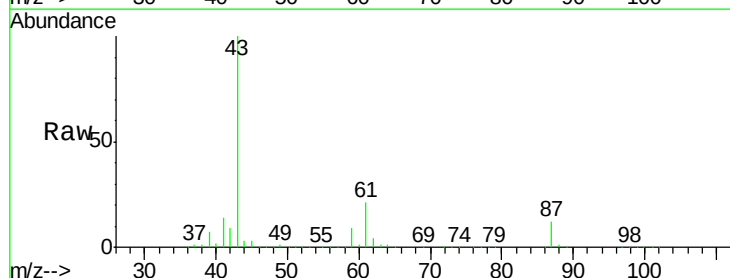
Manual Integrations
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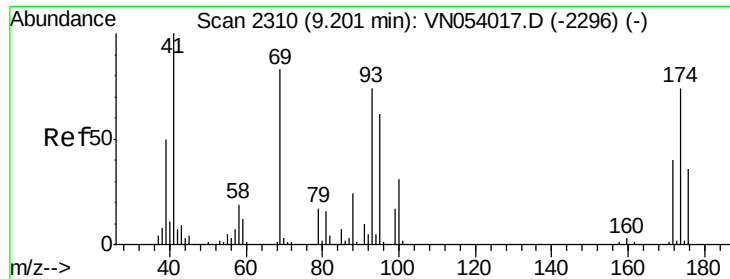
MMDadoda
3/6/2019 10:23:29 AM



#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#





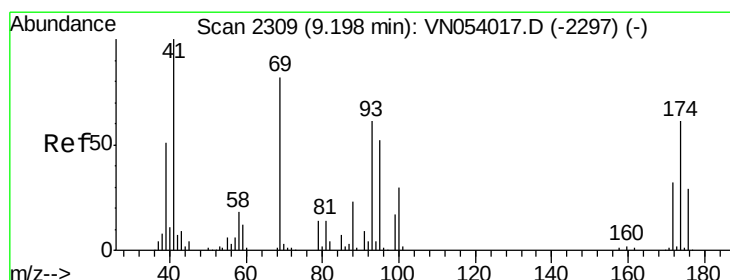
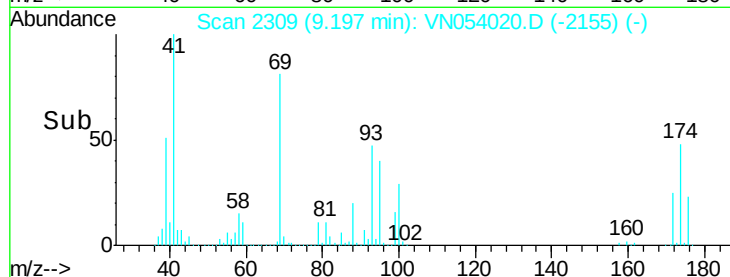
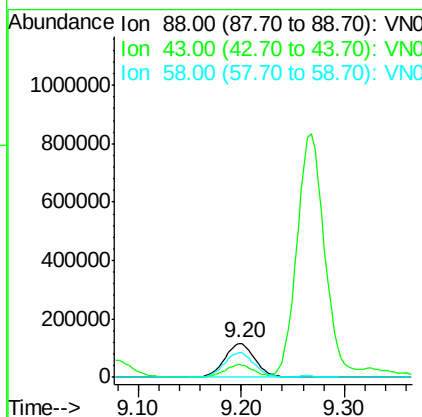
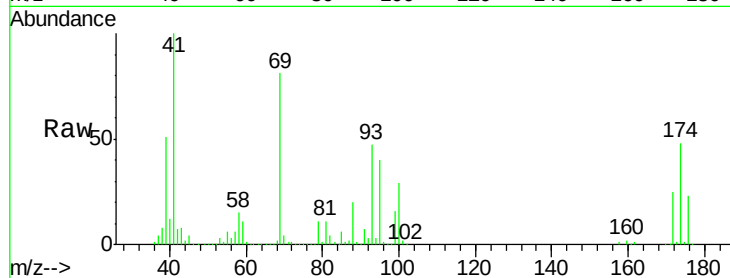
#45
 1,4-Dioxane
 Concen: 3588.802 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

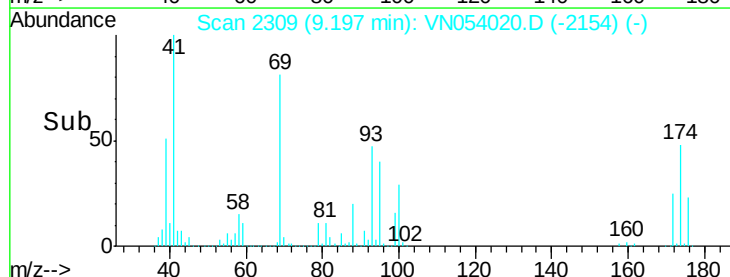
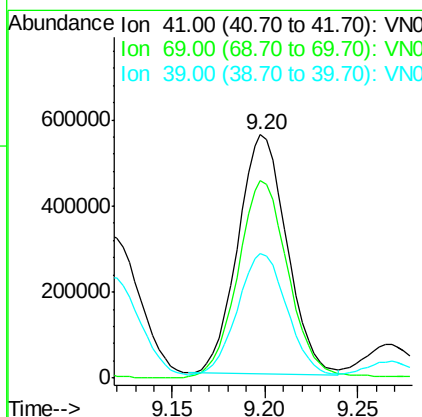
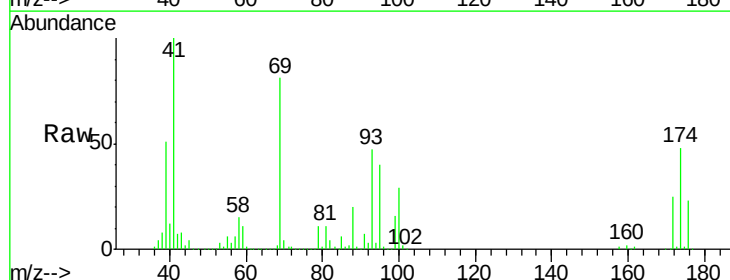
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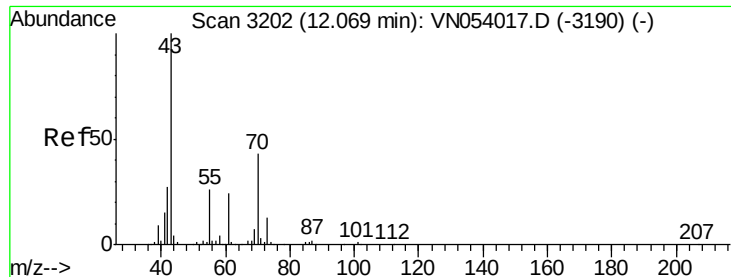
MMDadoda
 3/6/2019 10:23:29 AM



#46
 Methyl methacrylate
 Concen: 172.760 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	Ratio	Lower	Upper
41	100		
69	82.4	42.5	127.6
39	50.8	26.3	78.9





#47

n-amyl Acetate

Concen: 188.195 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

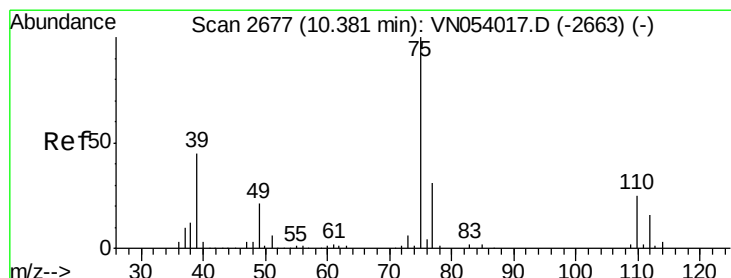
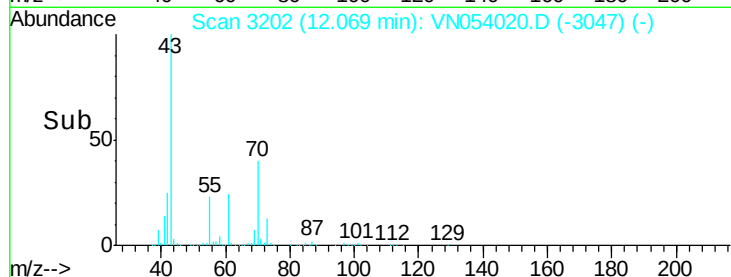
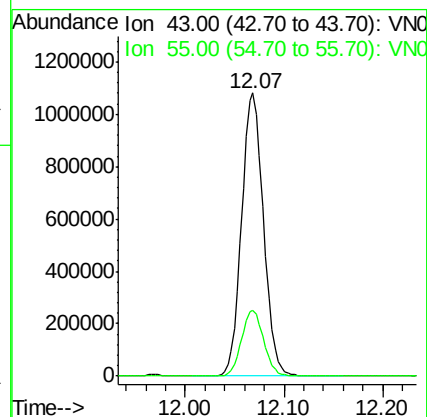
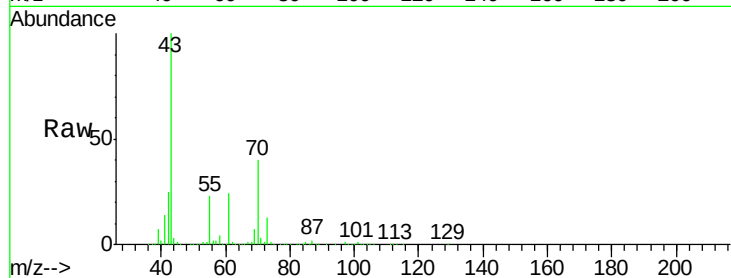
55 23.6 21.1 31.7

Manual Integrations

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MMDadoda

3/6/2019 10:23:29 AM



#48

t-1,3-Dichloropropene

Concen: 167.069 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN054020.D

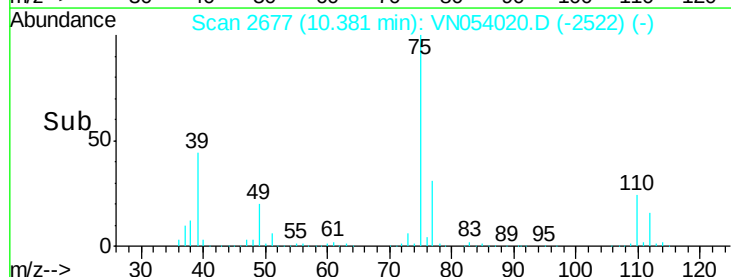
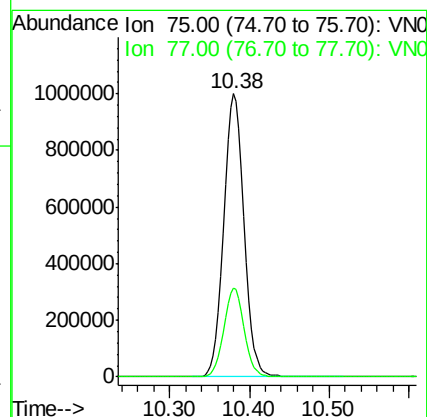
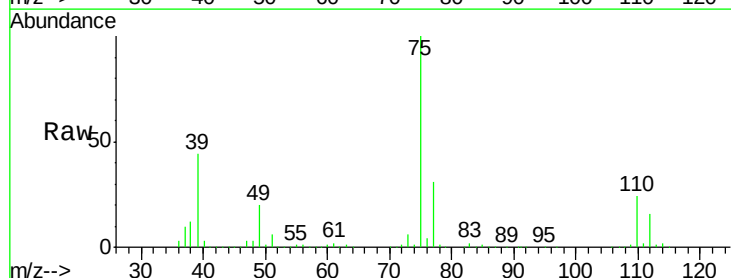
Acq: 1 Mar 2019 10:50

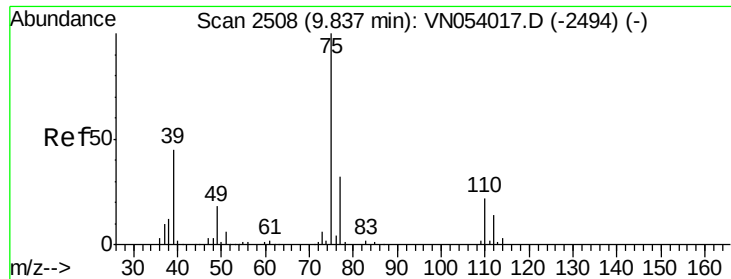
Tgt Ion: 75 Resp: 1763018

Ion Ratio Lower Upper

75 100

77 31.3 25.6 38.4





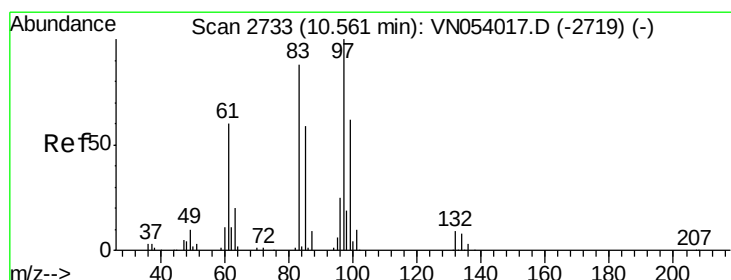
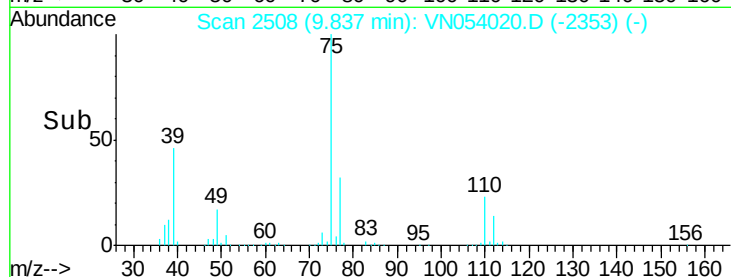
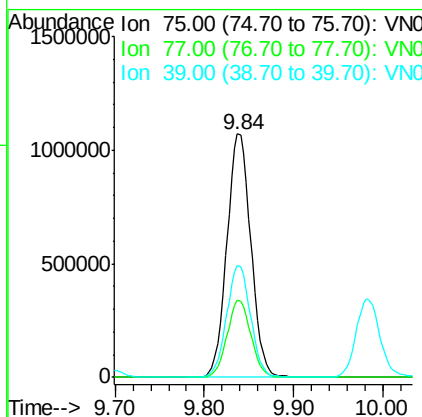
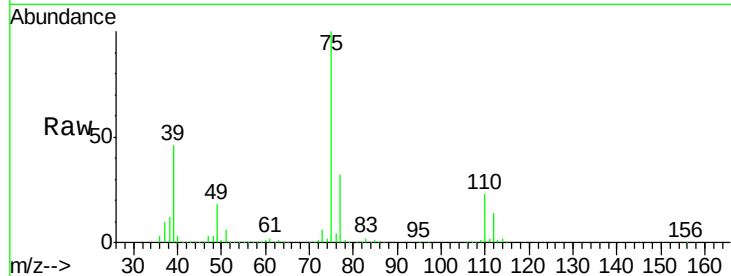
#49
 cis-1,3-Dichloropropene
 Concen: 159.783 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

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

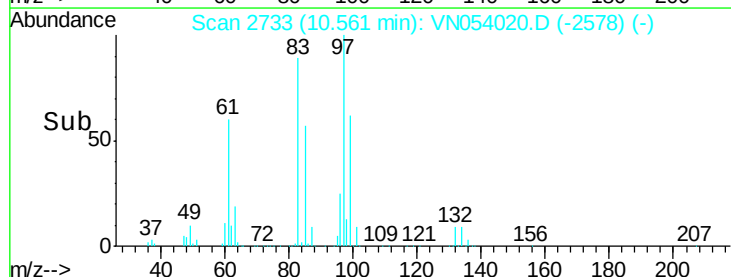
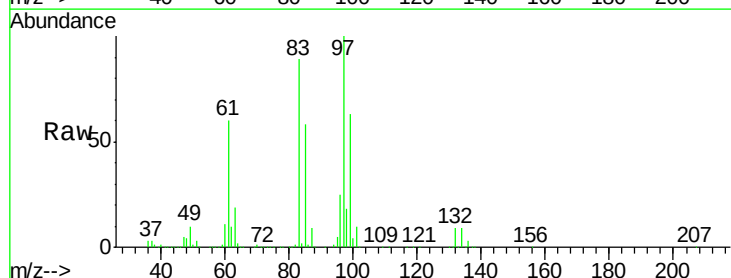
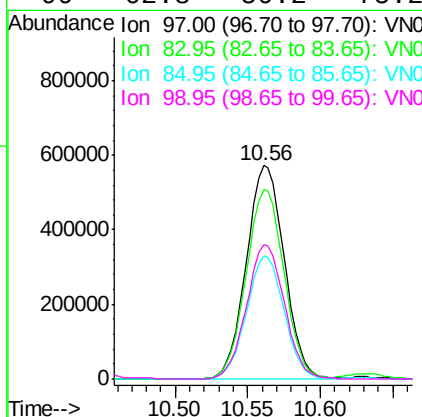
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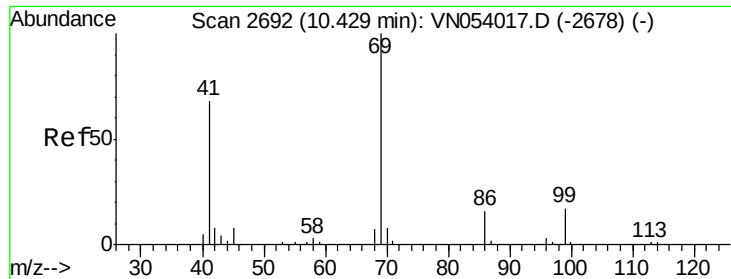
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 146.138 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion	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





#51

Ethyl methacrylate

Concen: 175.772 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

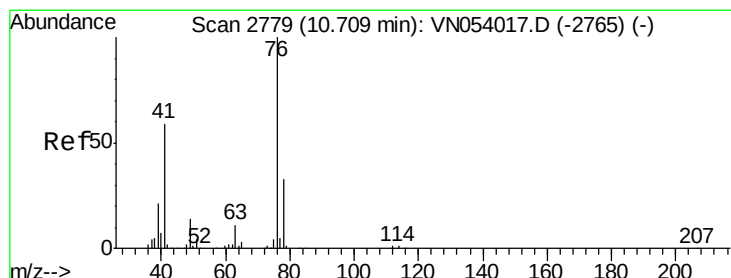
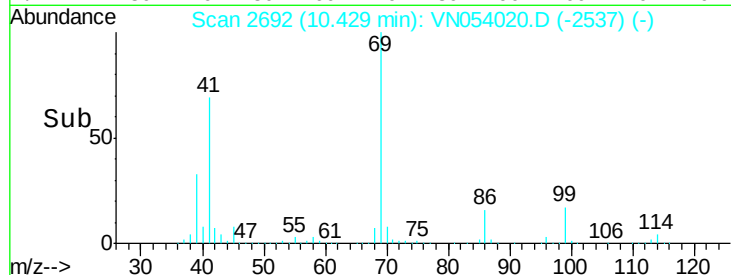
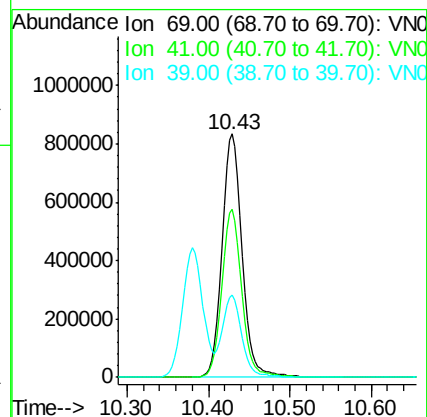
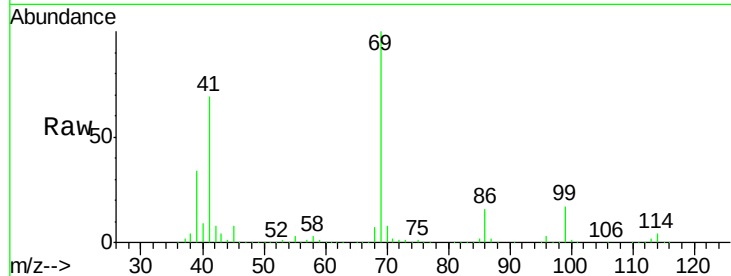
69 100

41 68.8 34.4 103.3

39 33.5 16.4 49.2

Manual Integrations
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3/6/2019 10:23:29 AM



#52

1,3-Dichloropropane

Concen: 150.448 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN054020.D

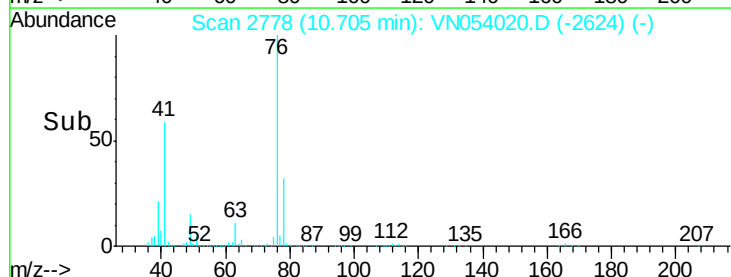
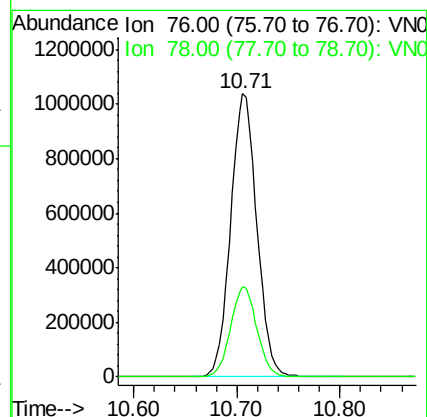
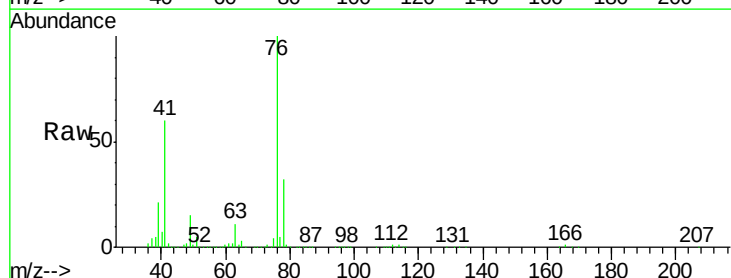
Acq: 1 Mar 2019 10:50

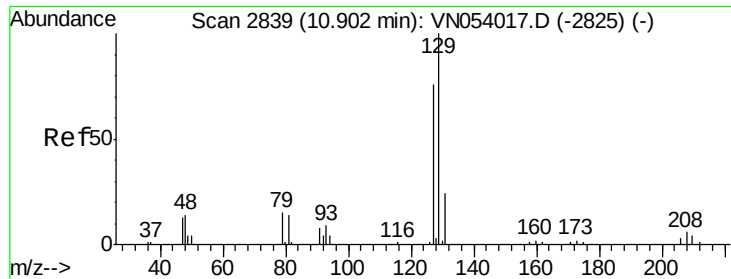
Tgt Ion: 76 Resp: 1836400

Ion Ratio Lower Upper

76 100

78 32.0 0.0 64.8





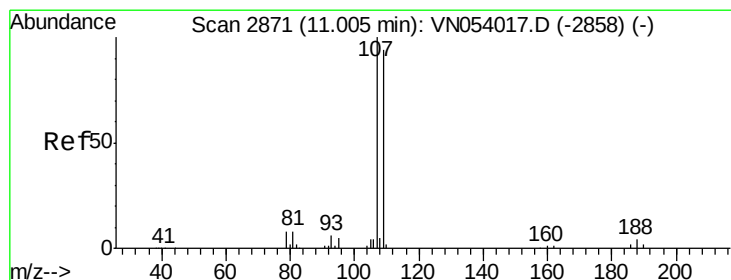
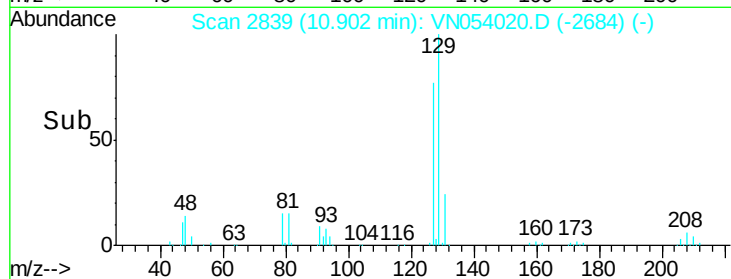
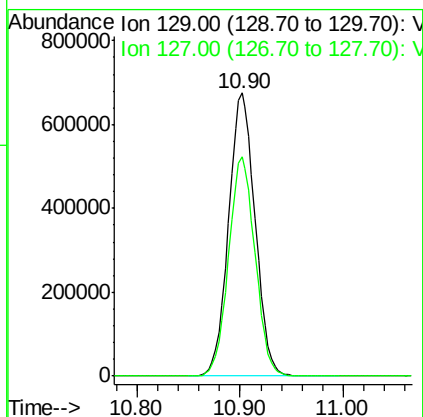
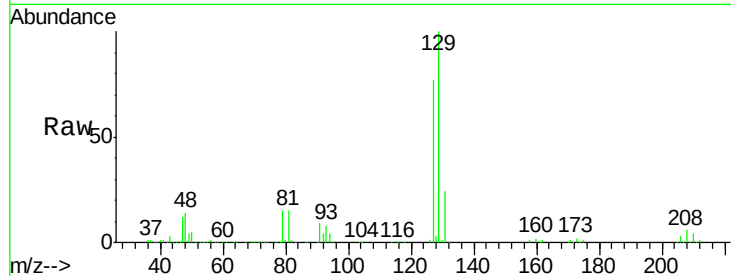
#53
 Dibromochloromethane
 Concen: 155.967 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

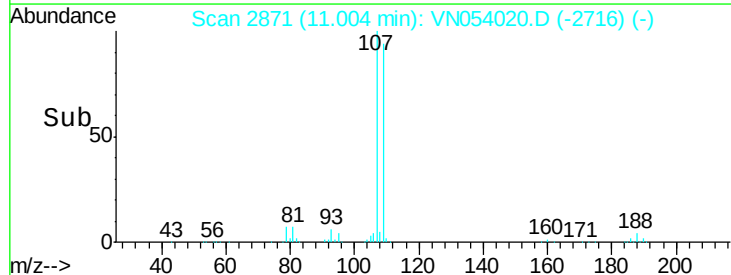
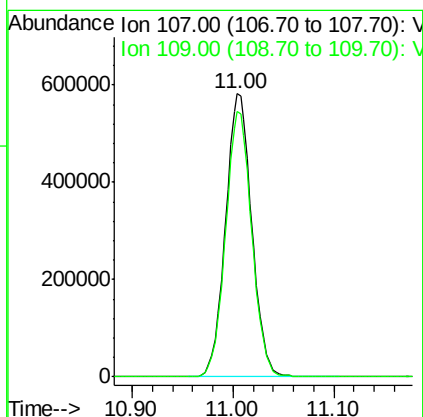
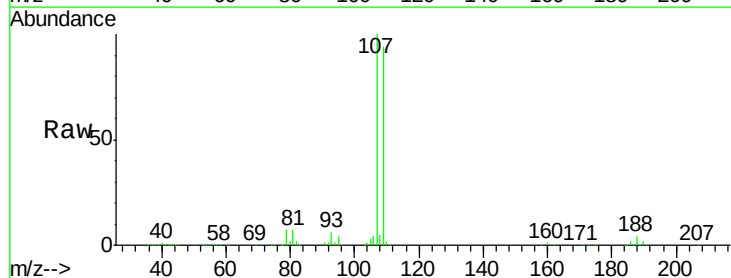
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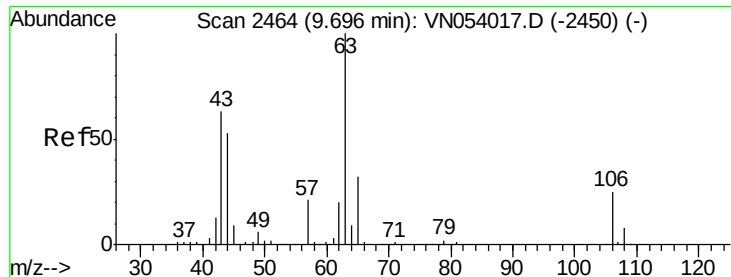
MMDadoda
 3/6/2019 10:23:29 AM



#54
 1,2-Dibromoethane
 Concen: 156.846 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: 903.303 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

ClientSampled :

VSTDIC150

Tot Ion: 63 Resp: 3450054

Ion Ratio Lower Upper

63 100

65 32.0 25.4 38.2

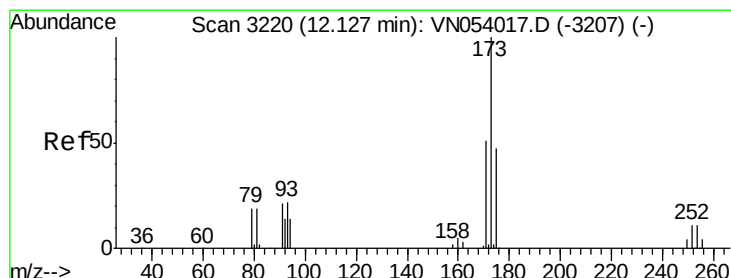
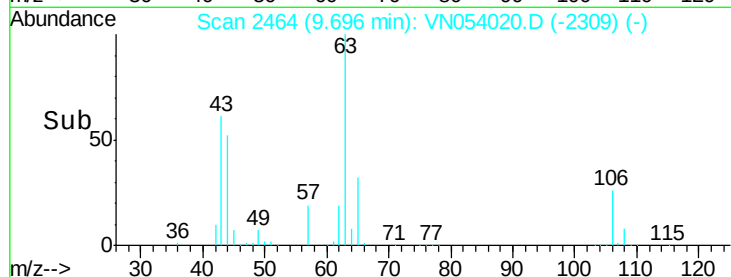
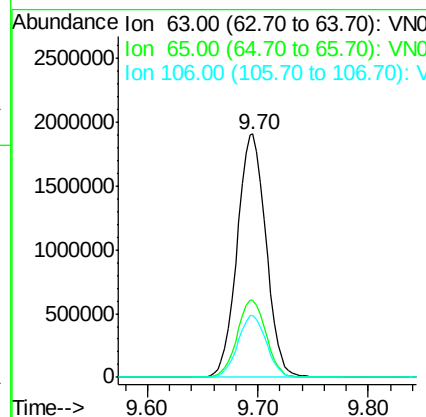
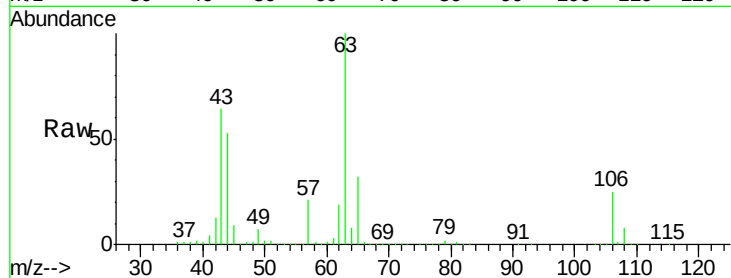
106 25.3 20.4 30.6

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3/6/2019 10:23:29 AM



#56

Bromoform

Concen: 166.628 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

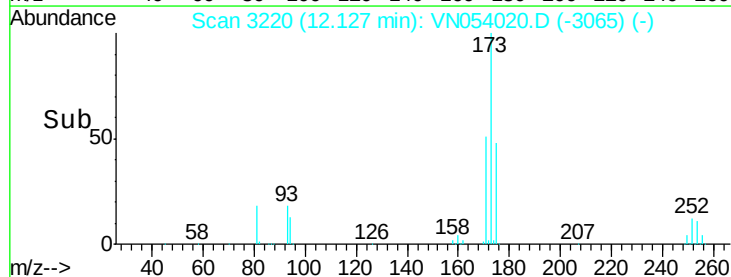
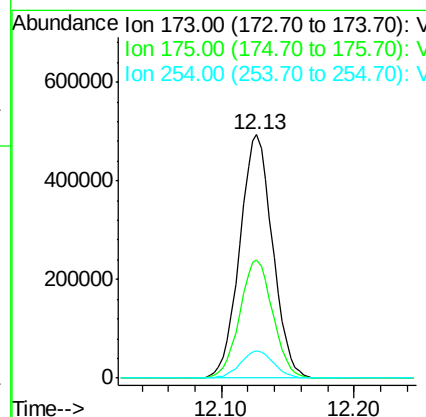
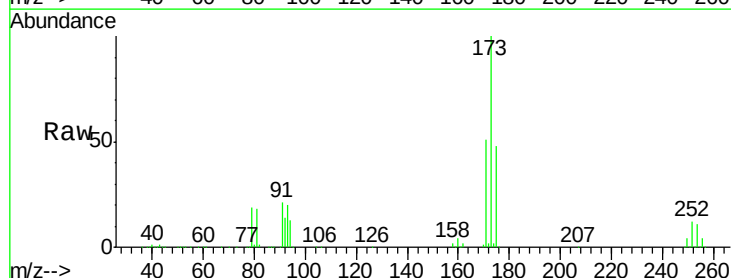
Tgt Ion: 173 Resp: 846383

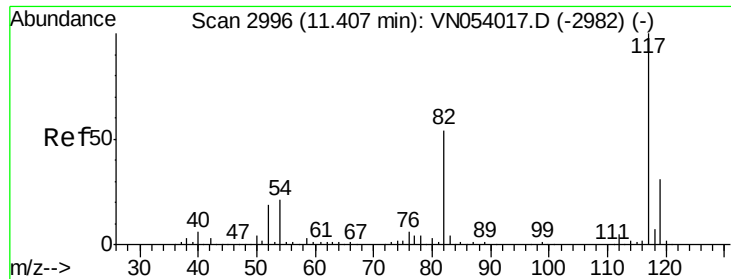
Ion Ratio Lower Upper

173 100

175 48.9 38.7 58.1

254 11.3 8.4 12.6





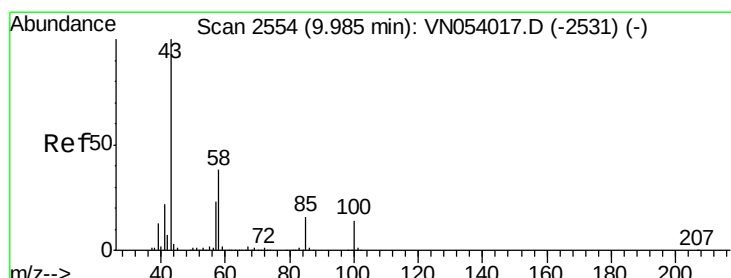
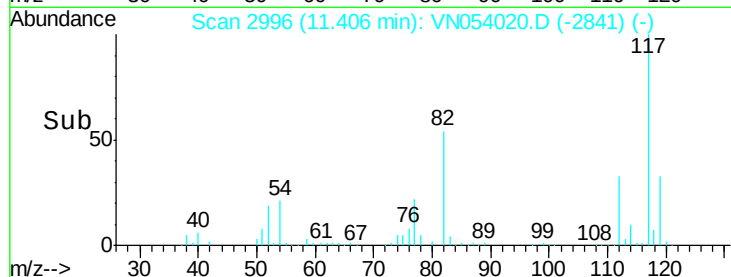
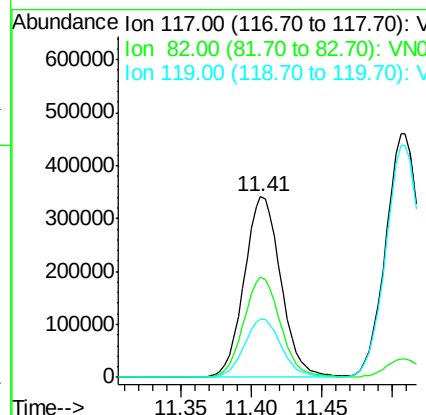
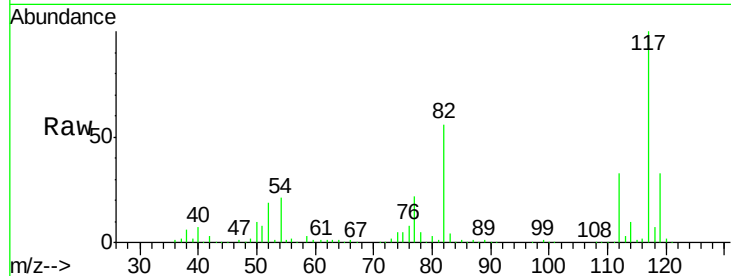
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

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

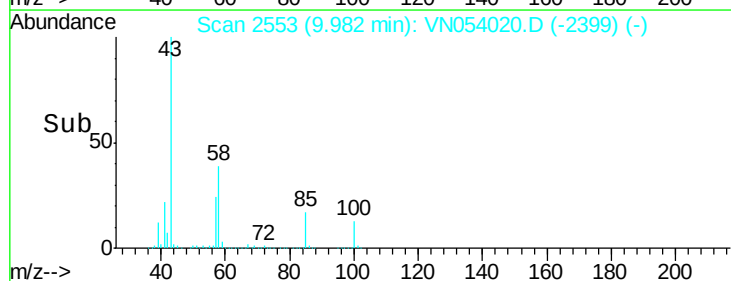
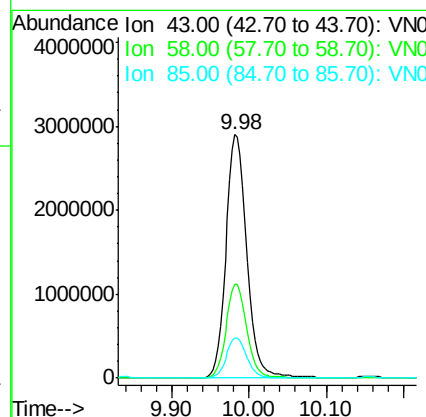
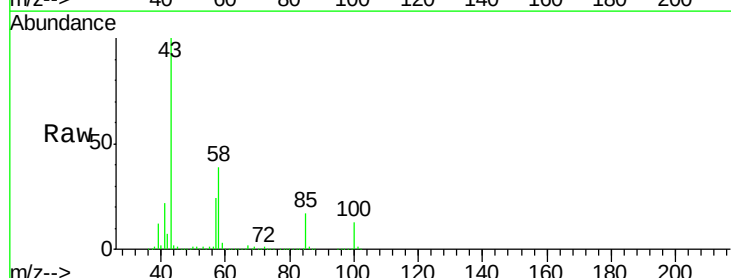
Manual Integrations
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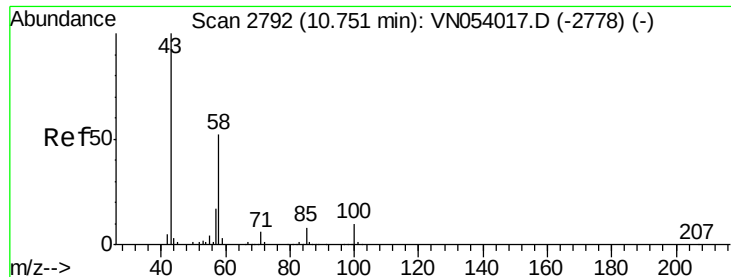
MMDadoda
3/6/2019 10:23:29 AM



#58
4-Methyl-2-Pentanone
Concen: 783.643 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	Ratio	Lower	Upper
43	100		
58	38.4	31.6	47.4
85	16.5	13.3	19.9





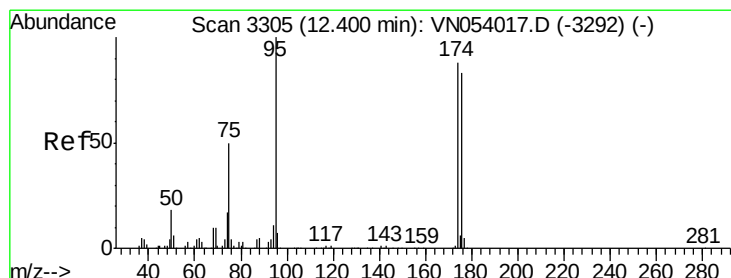
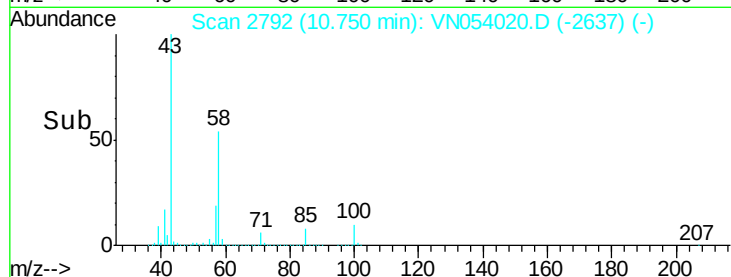
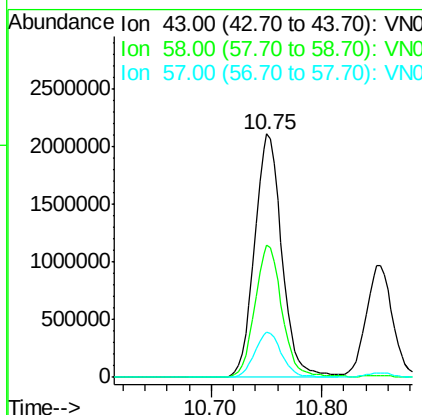
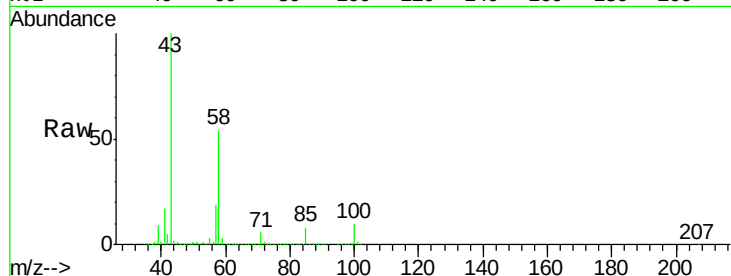
#59
2-Hexanone
Concen: 801.214 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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

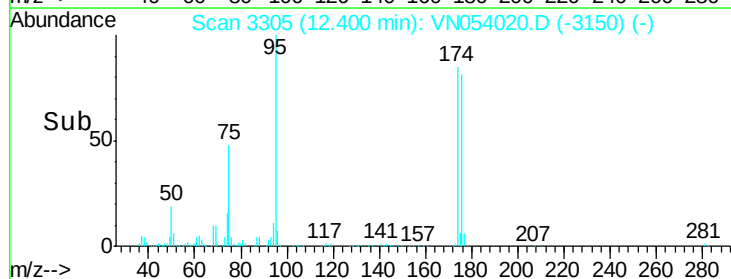
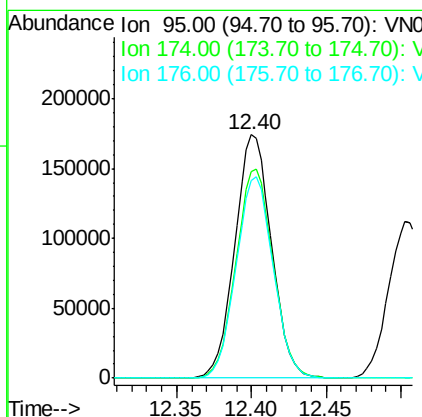
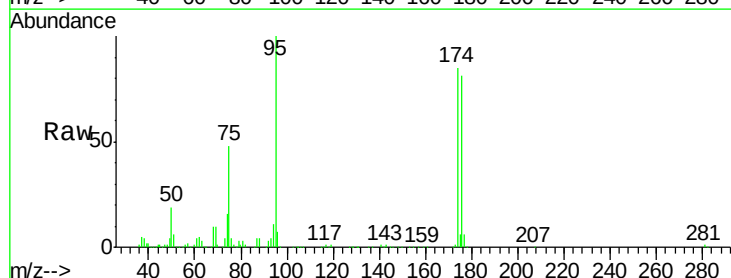
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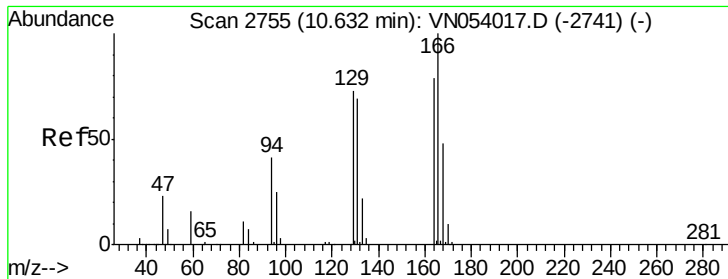
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 801.214 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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: 133.130 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

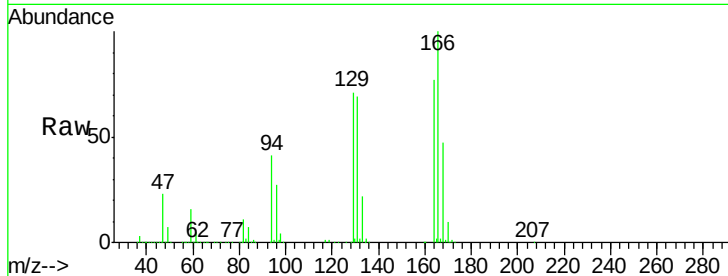
129 92.0 75.3 112.9

131 89.7 74.3 111.5

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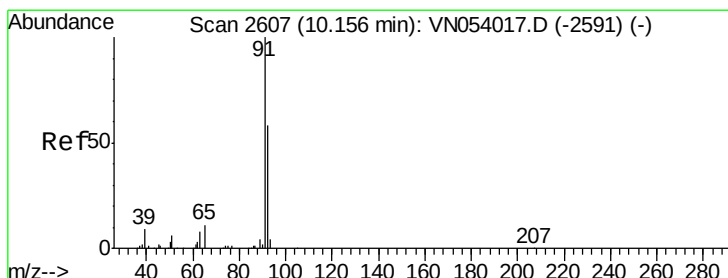
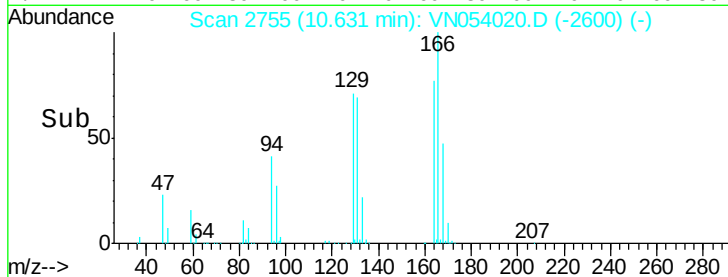
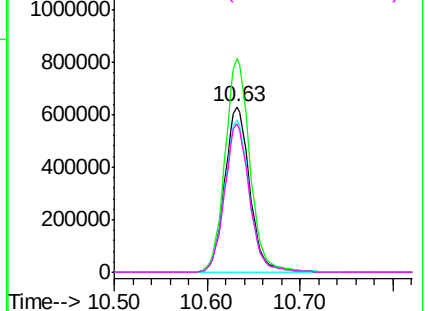


Abundance Ion 163.85 (163.55 to 164.55): V

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: 146.797 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054020.D

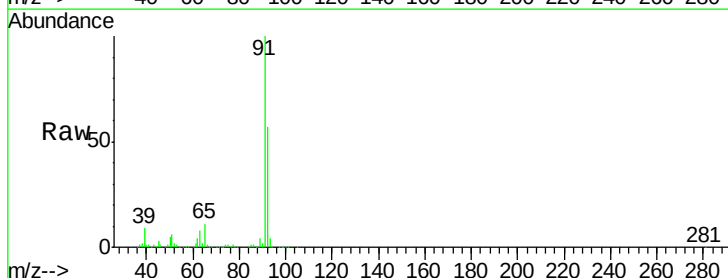
Acq: 1 Mar 2019 10:50

Tgt Ion: 91 Resp: 5131549

Ion Ratio Lower Upper

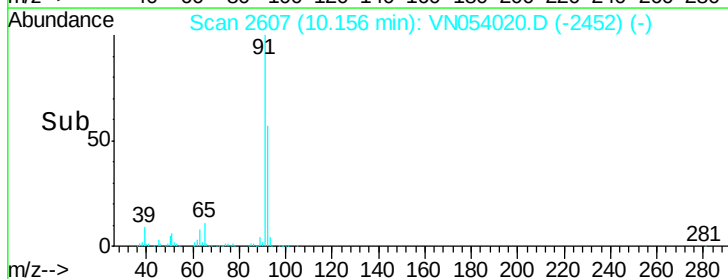
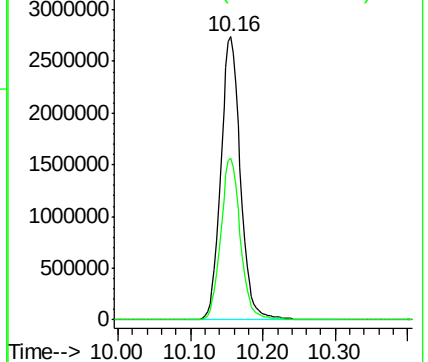
91 100

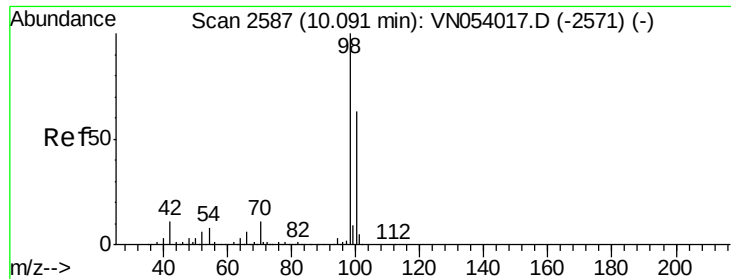
92 57.1 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





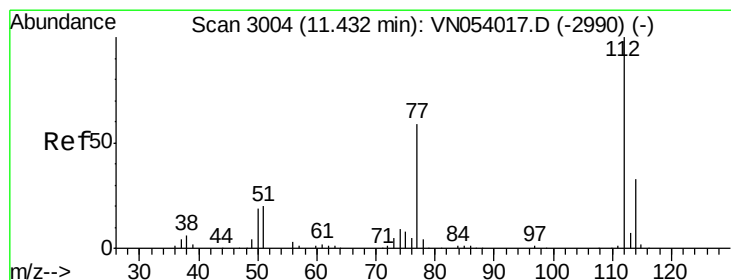
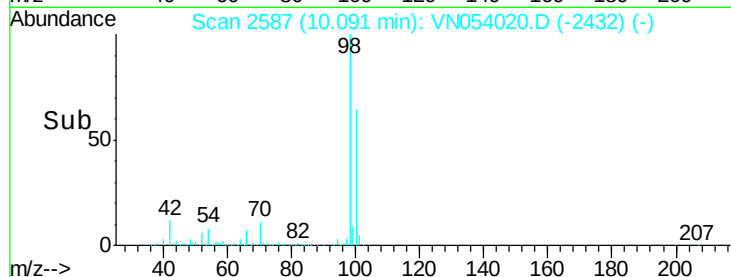
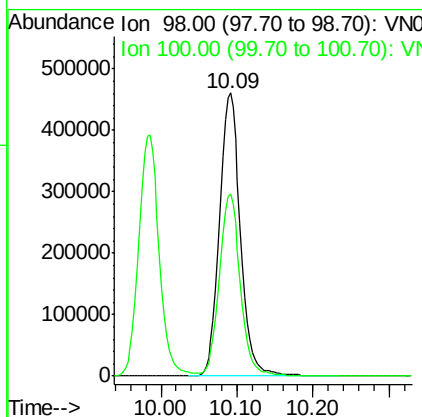
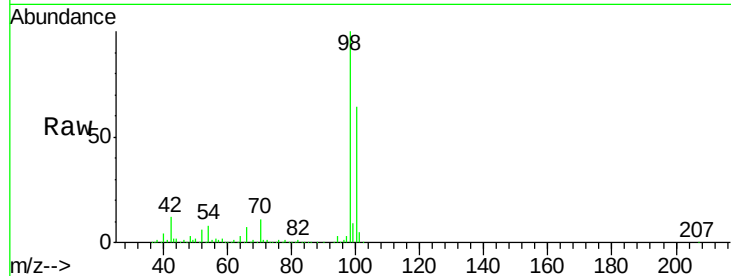
#63
Toluene-d8
Concen: 146.797 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion: 98 Resp: 881775
Ion Ratio Lower Upper
98 100
100 64.3 51.1 76.7

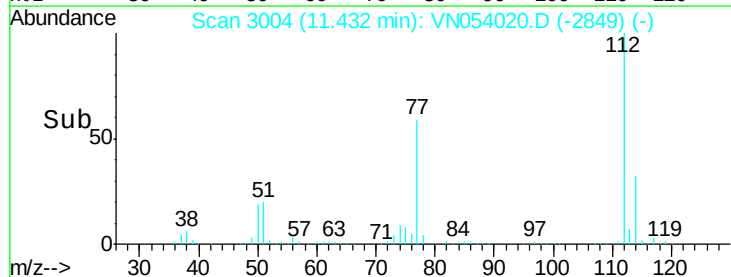
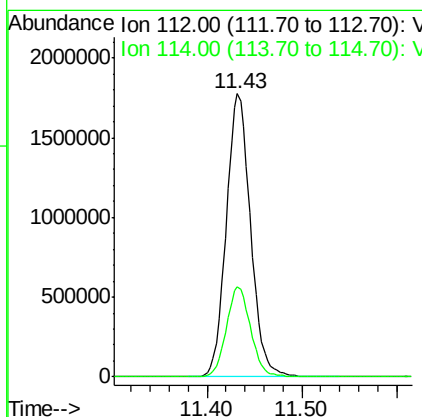
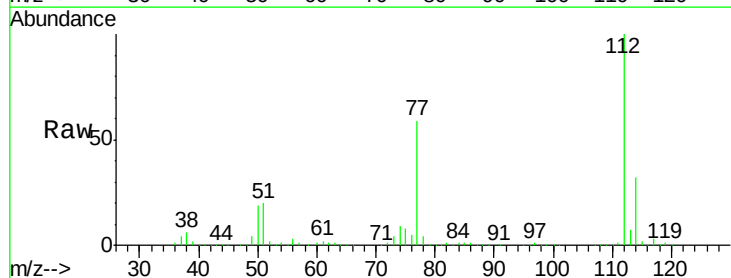
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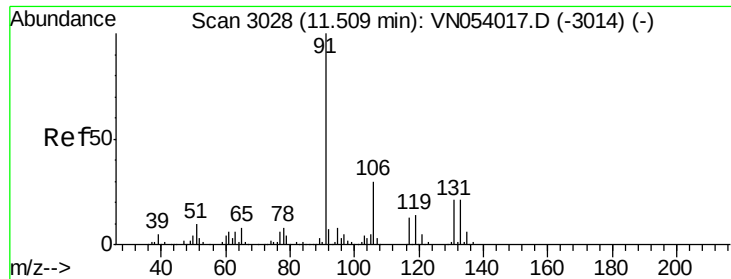
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#64
Chlorobenzene
Concen: 148.949 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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: 148.640 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

ClientSampled :

VSTDIC150

Tot Ion:131 Resp: 1158894

Ion Ratio Lower Upper

131 100

133 95.7 0.0 193.4

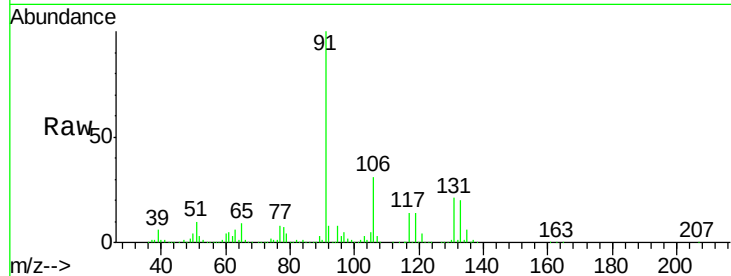
119 66.6 0.0 133.0

Manual Integrations

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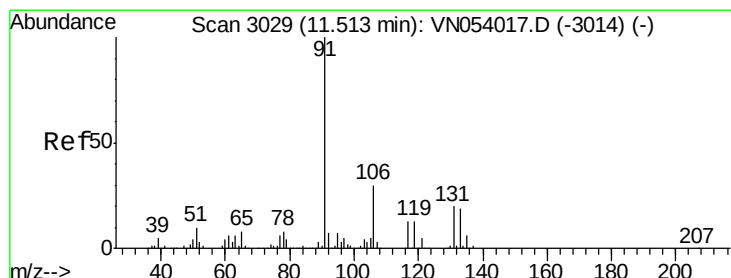
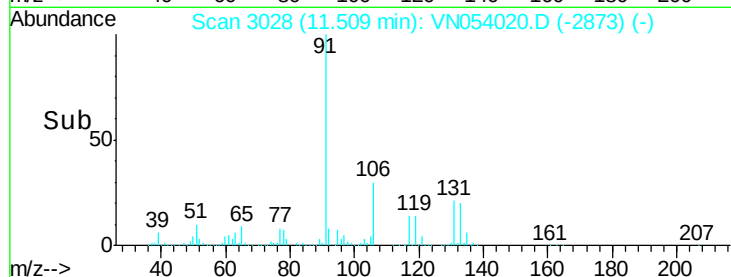
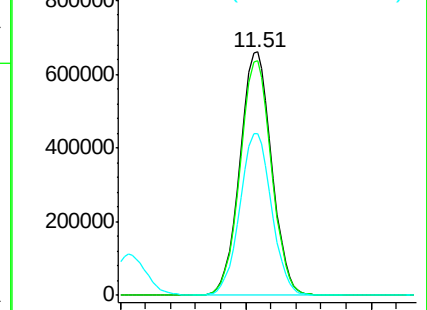
3/6/2019 10:23:29 AM



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: 155.387 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054020.D

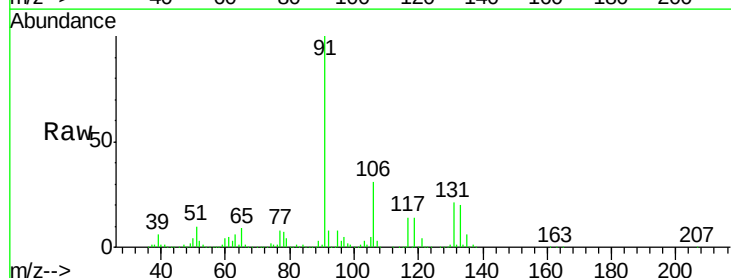
Acq: 1 Mar 2019 10:50

Tgt Ion: 91 Resp: 5613230

Ion Ratio Lower Upper

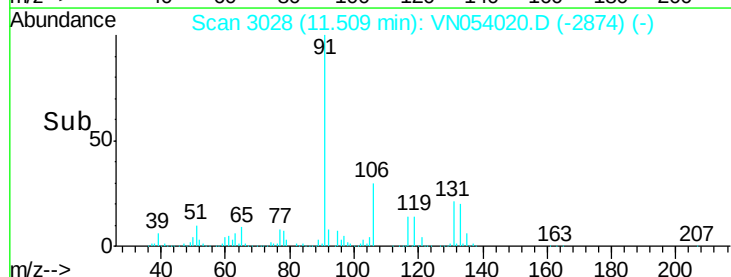
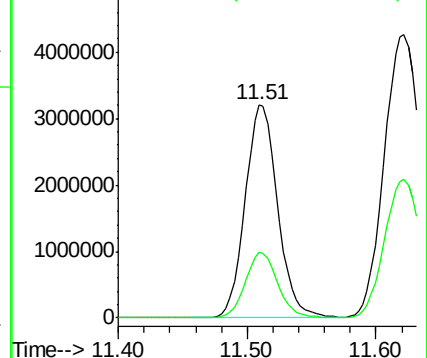
91 100

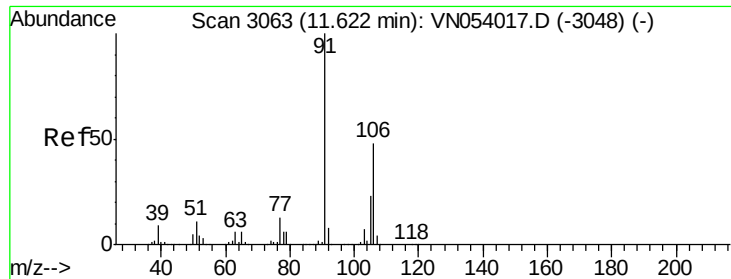
106 30.8 24.3 36.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xylenes

Concen: 307.110 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

ClientSampled :

VSTDIC150

Tot Ion:106 Resp: 4187046

Ion Ratio Lower Upper

106 100

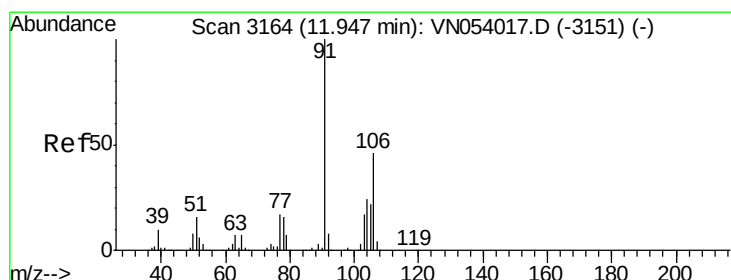
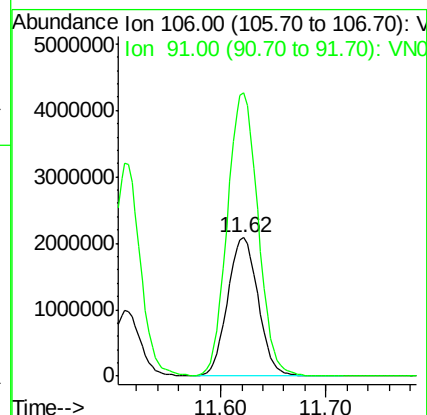
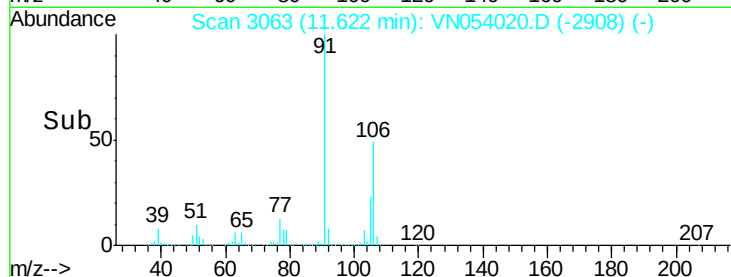
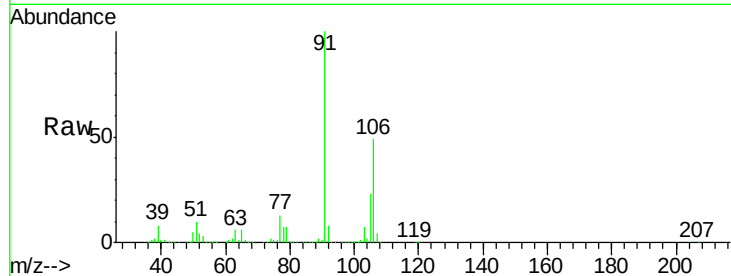
91 205.5 163.9 245.9

Manual Integrations

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#68

o-Xylene

Concen: 154.581 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN054020.D

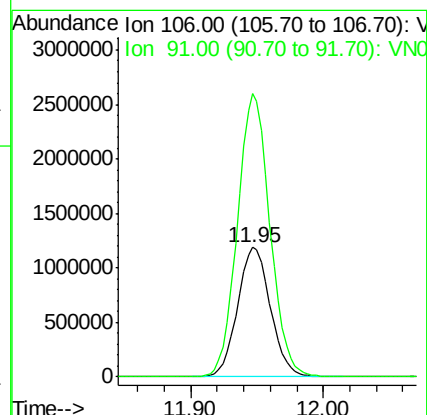
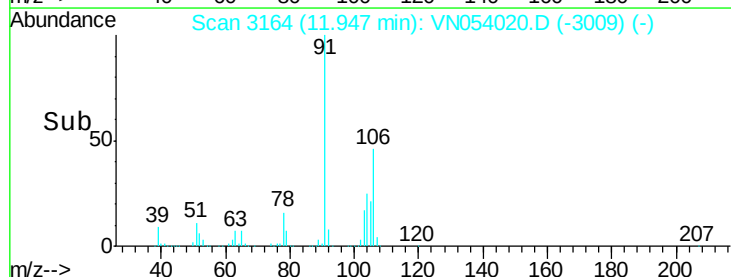
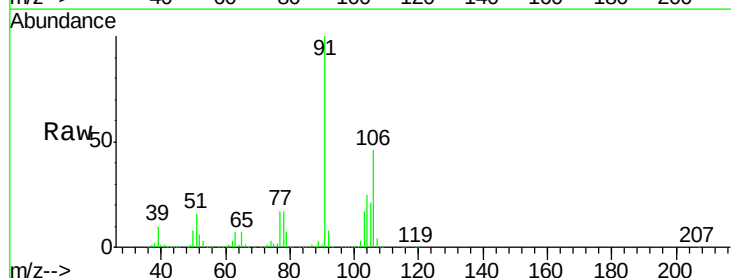
Acq: 1 Mar 2019 10:50

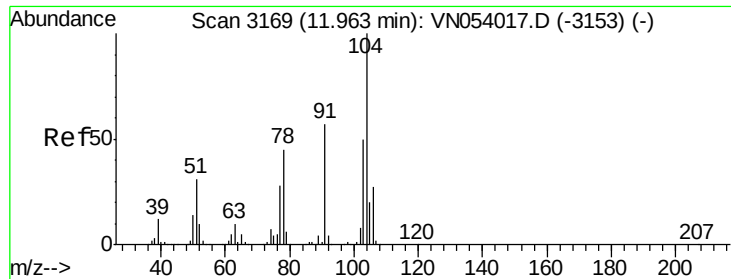
Tgt Ion:106 Resp: 2040175

Ion Ratio Lower Upper

106 100

91 216.2 107.8 323.4





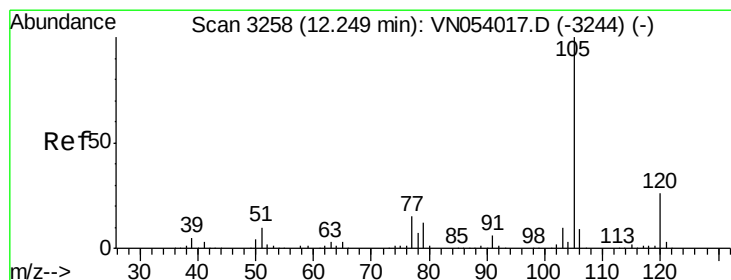
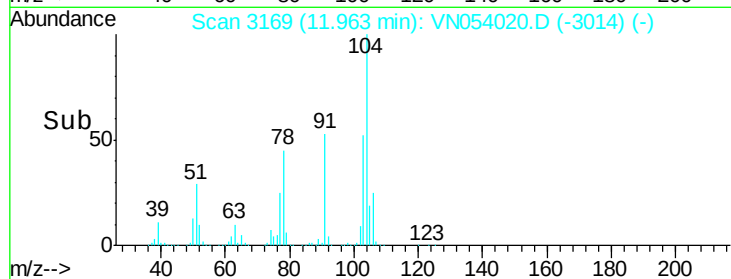
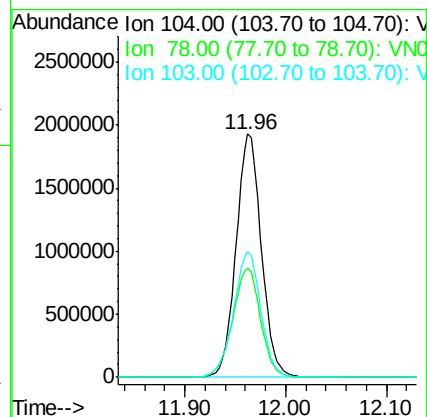
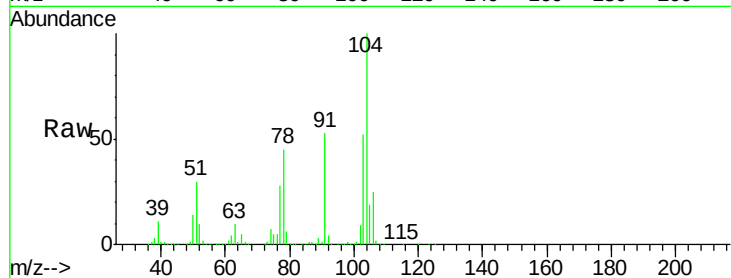
#69
Stvrene
Concen: 162.619 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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

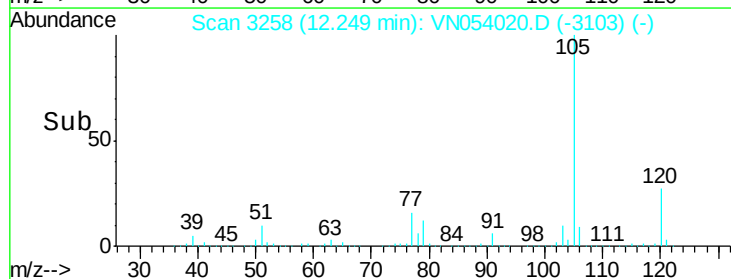
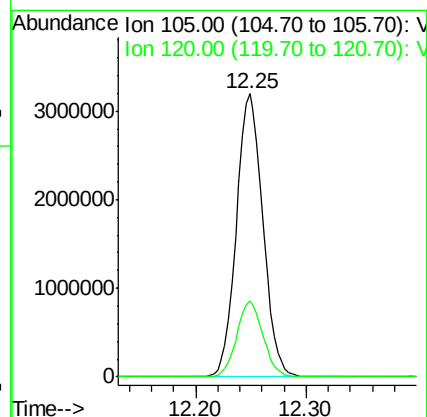
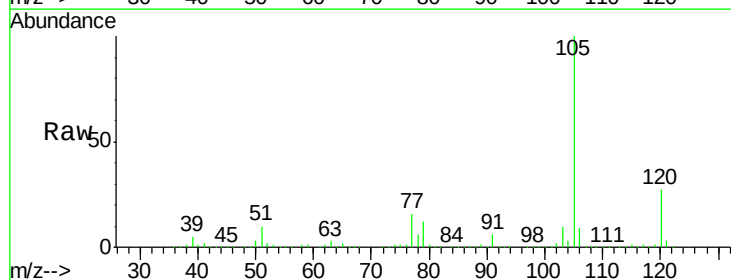
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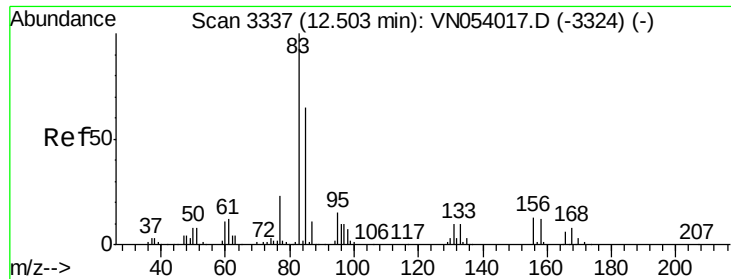
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#70
Isopropylbenzene
Concen: 152.867 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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





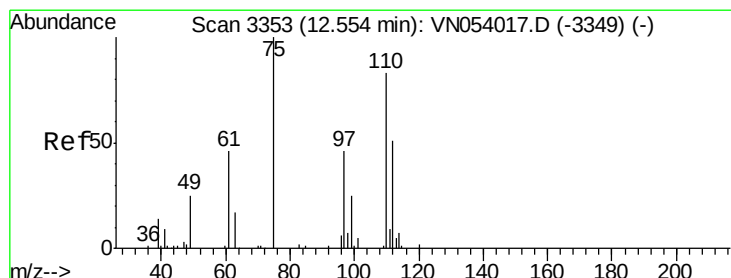
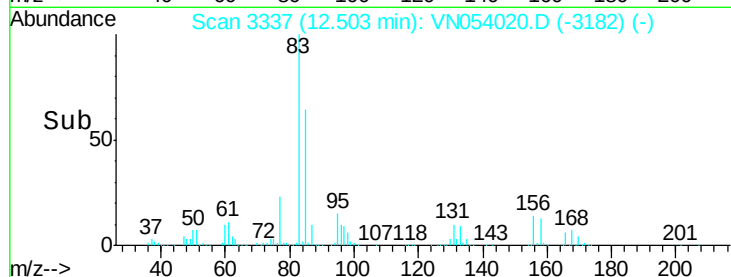
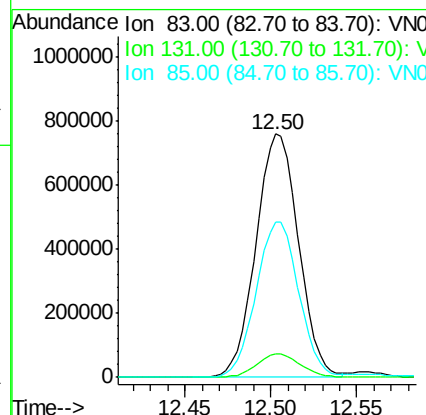
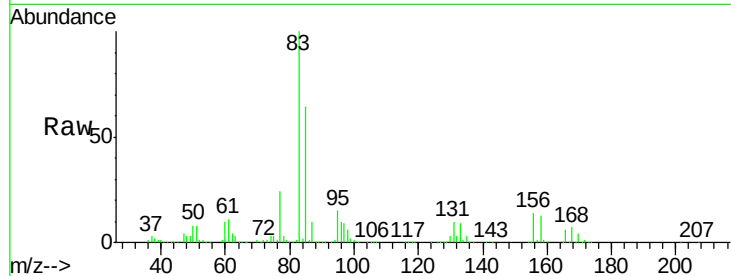
#71
 1,1,2,2-Tetrachloroethane
 Concen: 152.247 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tot Ion	83	Resp	1305744
Ion Ratio	100	Lower	Upper
83	100		
131	10.0	4.9	14.6
85	64.0	32.2	96.6

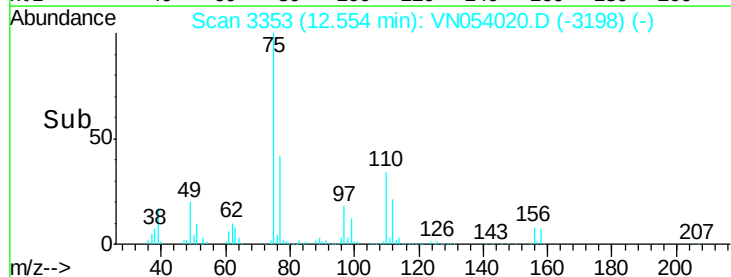
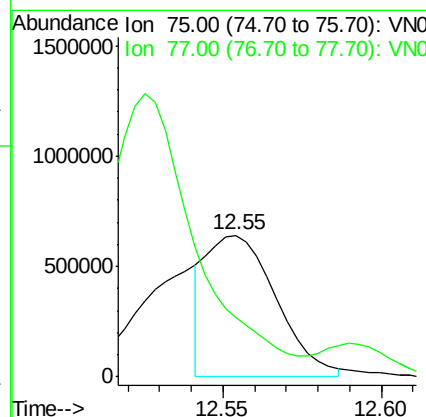
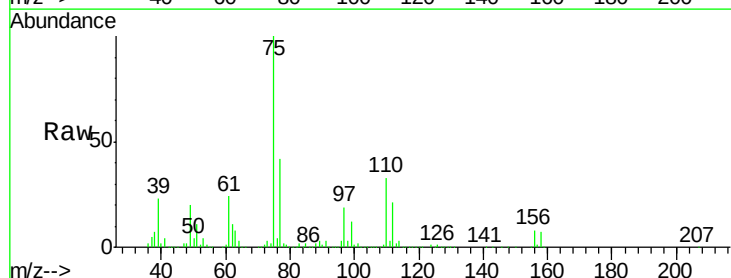
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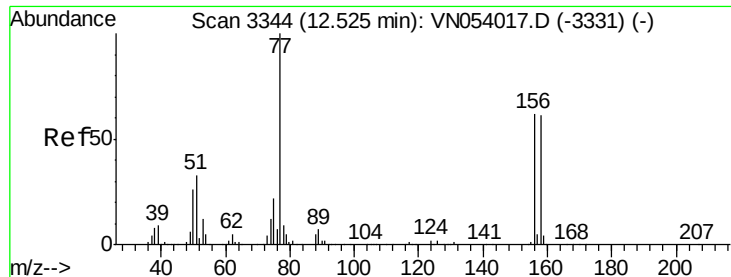
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#72
 1,2,3-Trichloropropane
 Concen: 149.170 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Tgt Ion	75	Resp	975396
Ion Ratio	100	Lower	Upper
75	100		
77	263.1	0.0	514.8





#73

Bromobenzene

Concen: 153.571 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

ClientSampled :

VSTDIC150

Tot Ion:156 Resp: 1343012

Ion Ratio Lower Upper

156 100

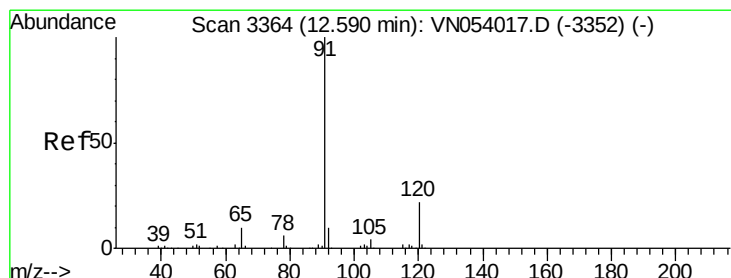
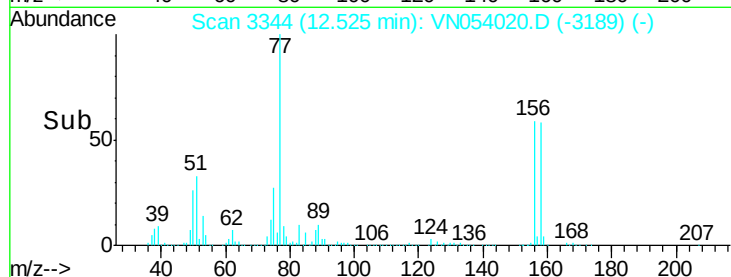
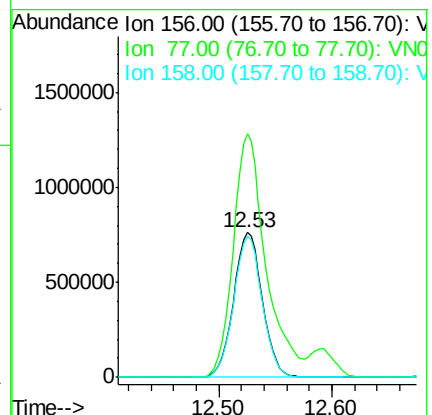
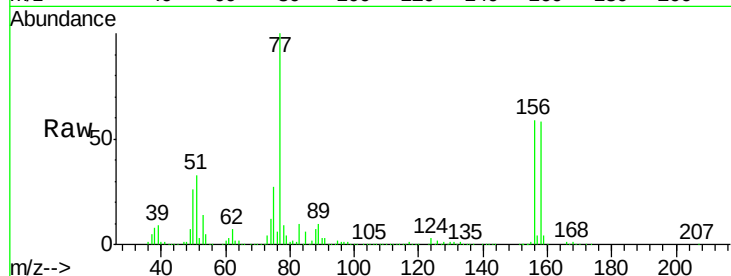
77 191.1 0.0 382.6

158 96.7 0.0 196.8

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3/6/2019 10:23:29 AM



#74

n-propylbenzene

Concen: 156.284 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN054020.D

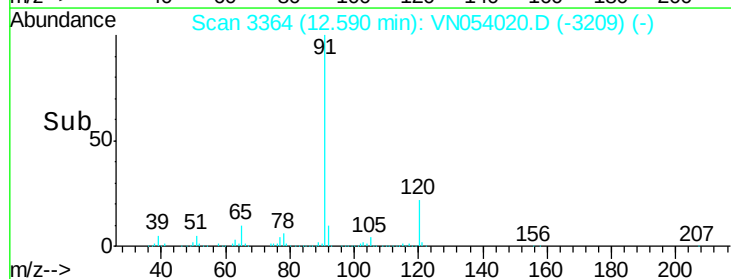
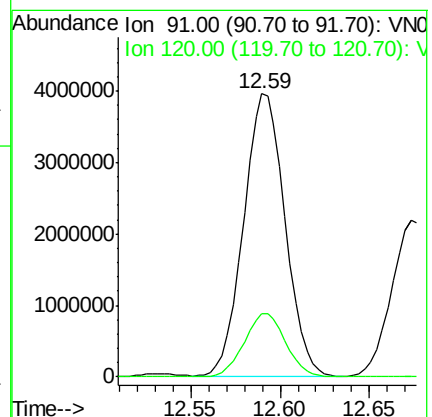
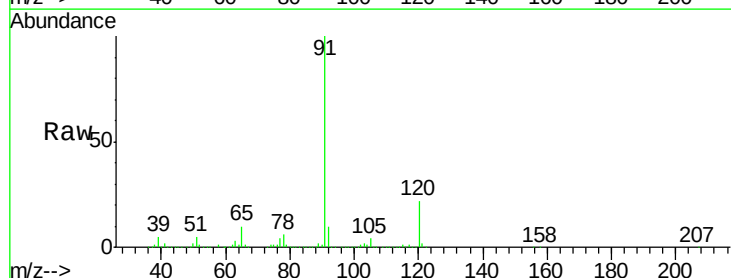
Acq: 1 Mar 2019 10:50

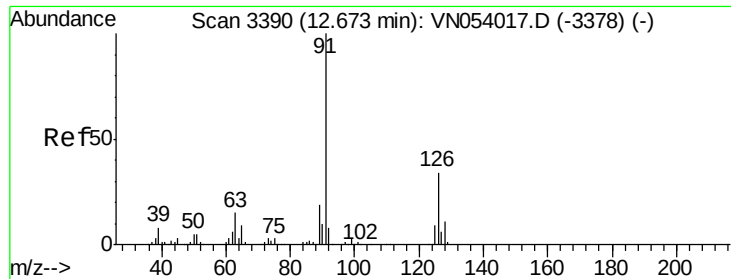
Tgt Ion: 91 Resp: 6432040

Ion Ratio Lower Upper

91 100

120 22.3 0.0 44.6





#75

2-Chlorotoluene

Concen: 153.575 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

ClientSampled :

VSTDIC150

Tot Ion: 91 Resp: 3714540

Ion Ratio Lower Upper

91 100

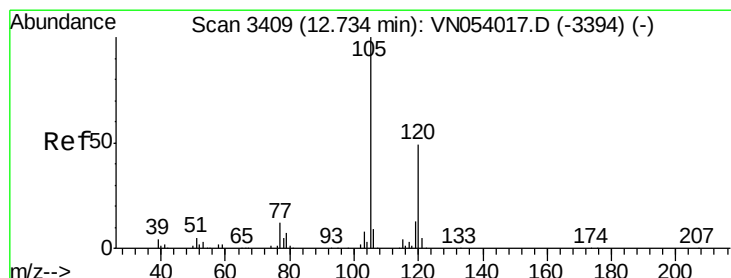
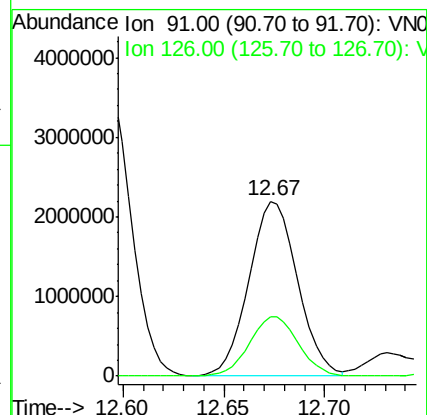
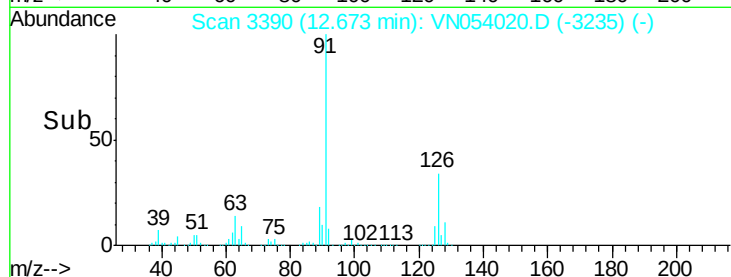
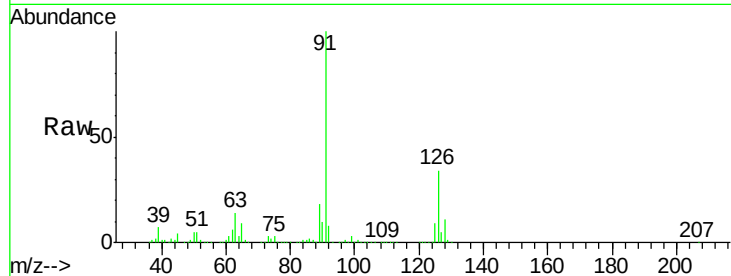
126 34.1 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 154.604 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054020.D

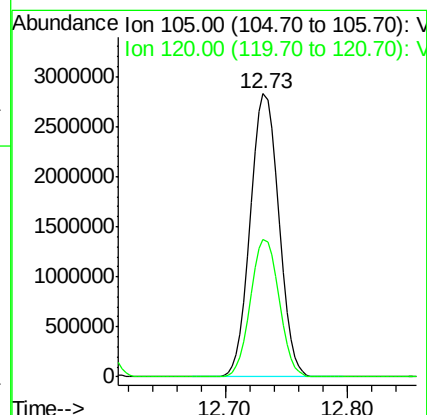
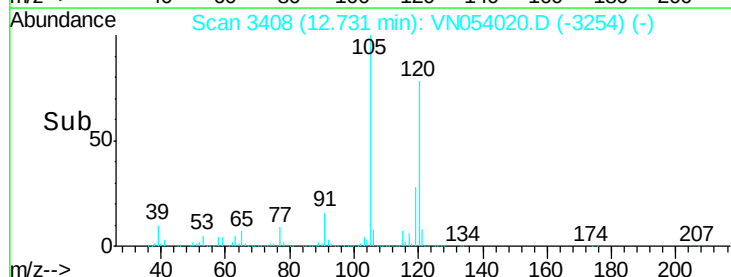
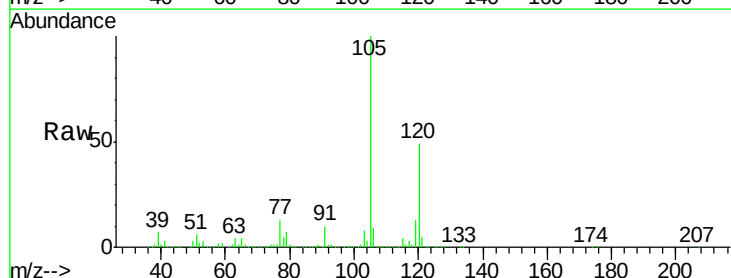
Acq: 1 Mar 2019 10:50

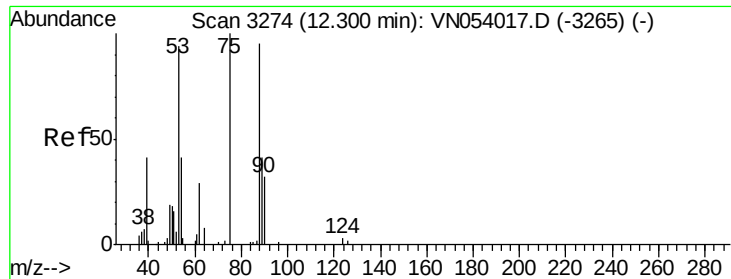
Tgt Ion: 105 Resp: 4536360

Ion Ratio Lower Upper

105 100

120 48.6 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 180.691 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

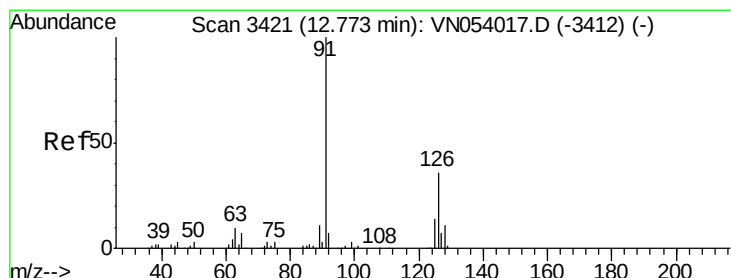
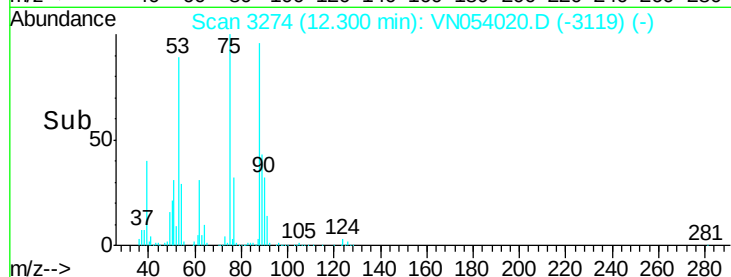
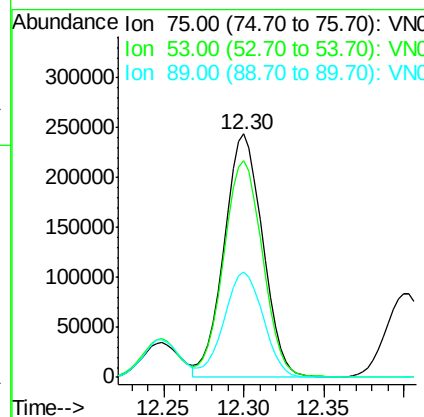
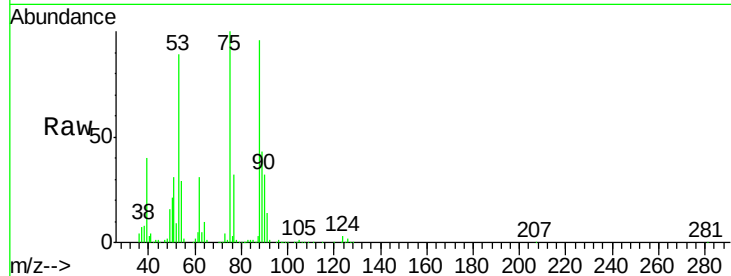
ClientSampleId :

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

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#78

4-Chlorotoluene

Concen: 157.588 ug/l

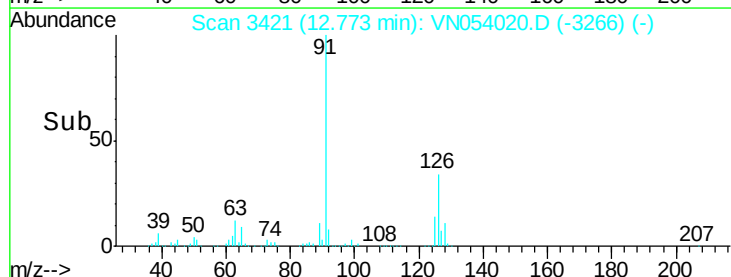
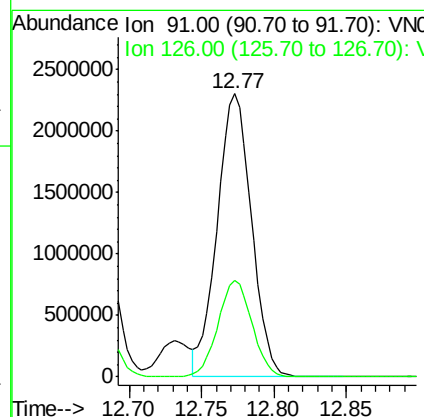
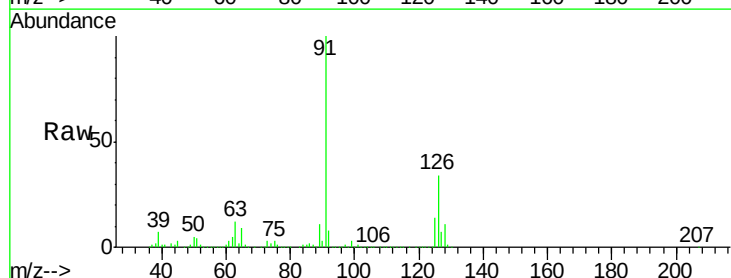
RT: 12.77 min Scan# 3421

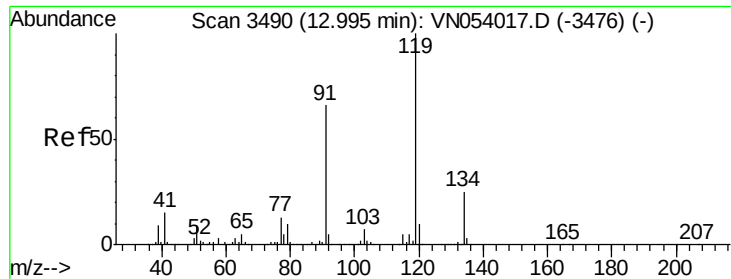
Delta R.T. -0.00 min

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





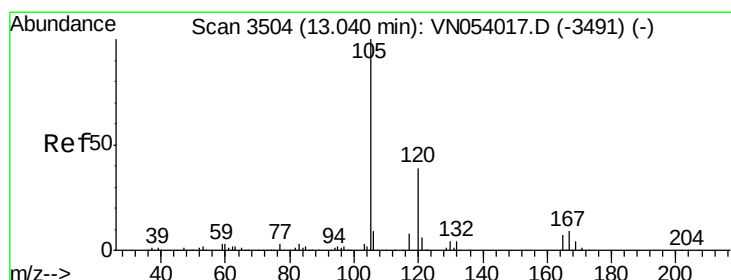
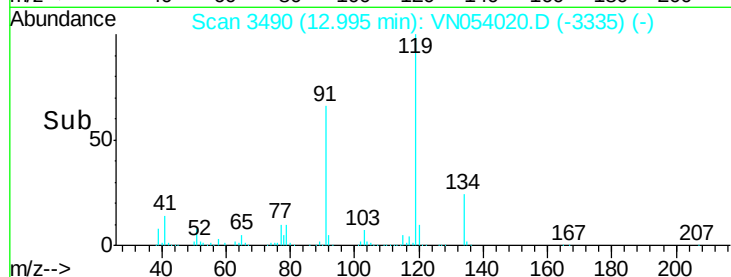
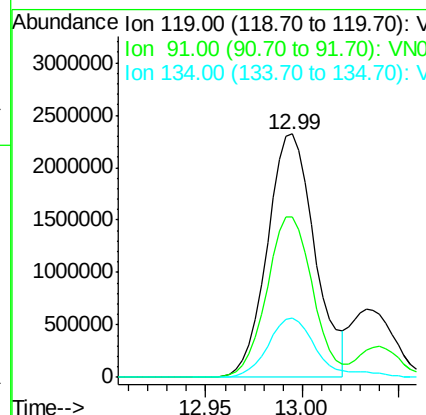
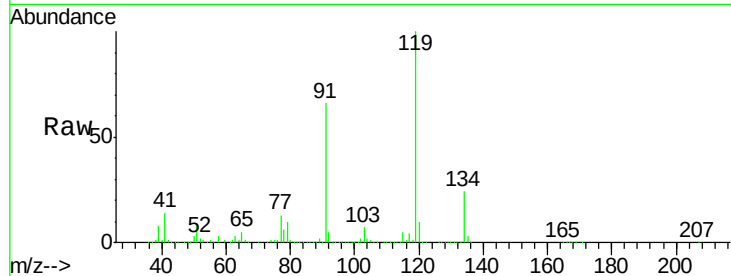
#79
tert-butylbenzene
Concen: 153.681 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.7	0.0	129.8
134	24.1	0.0	52.2

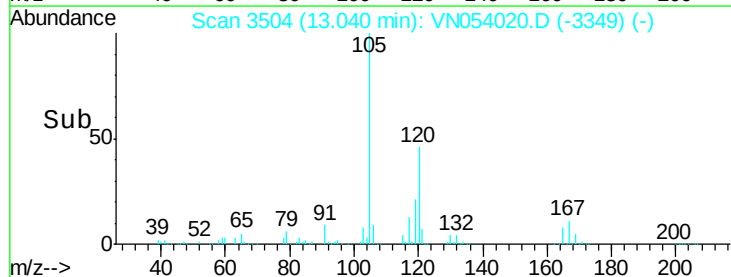
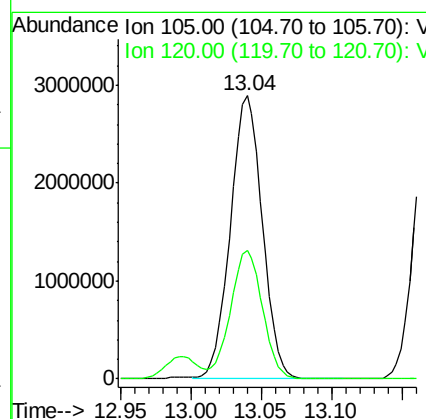
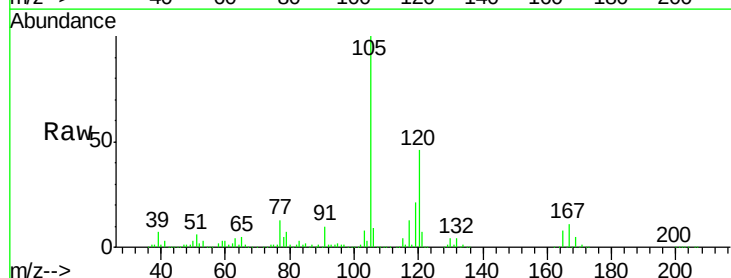
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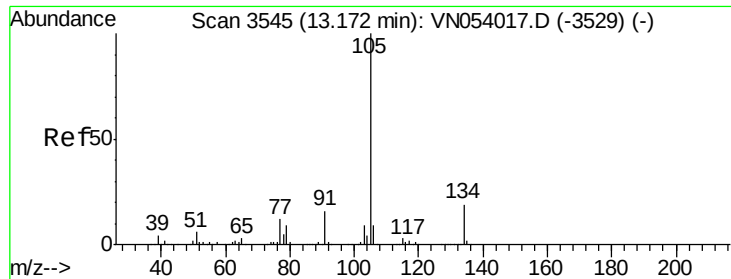
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 157.209 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	0.0	91.0





#81

sec-Butylbenzene

Concen: 152.503 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

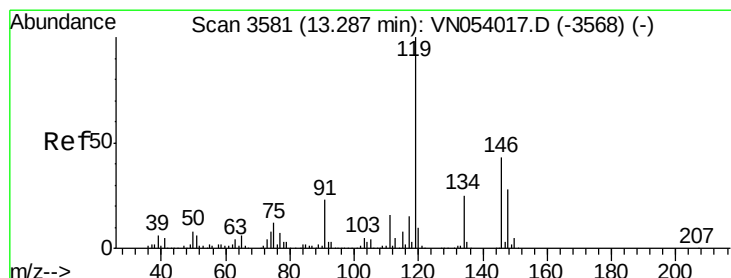
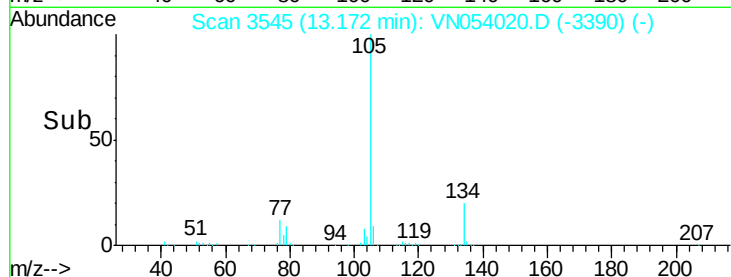
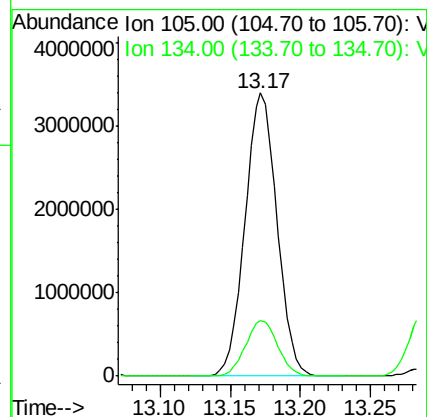
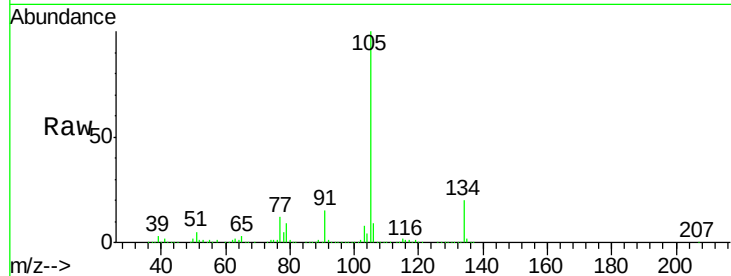
134 19.9 0.0 40.4

Manual Integrations

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3/6/2019 10:23:29 AM



#82

p-Isopropyltoluene

Concen: 157.989 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN054020.D

Acq: 1 Mar 2019 10:50

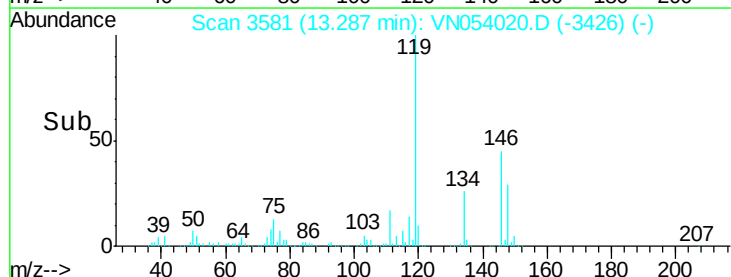
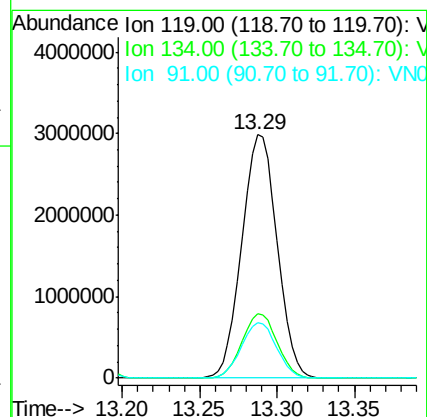
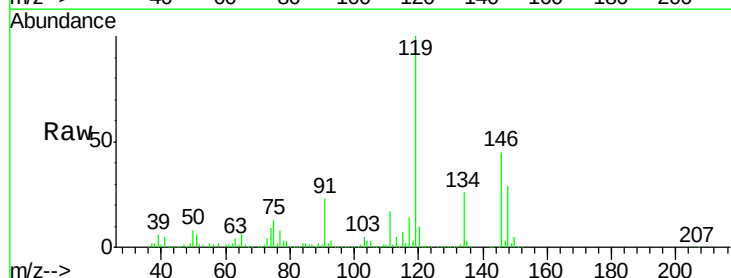
Tgt Ion:119 Resp: 4735740

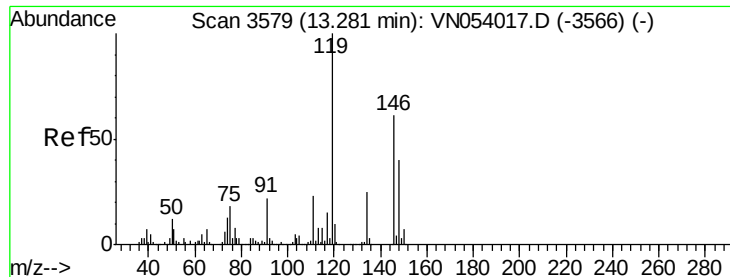
Ion Ratio Lower Upper

119 100

134 26.3 0.0 52.6

91 22.7 0.0 46.2





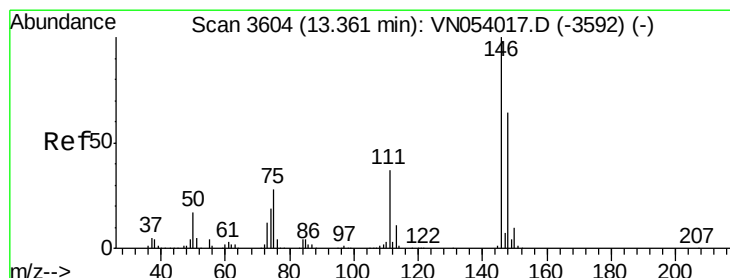
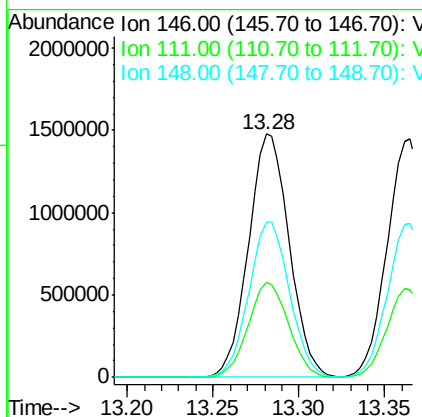
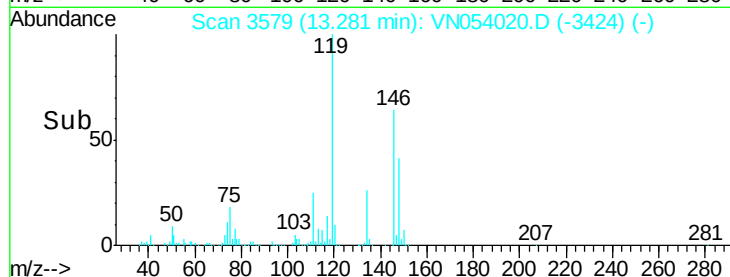
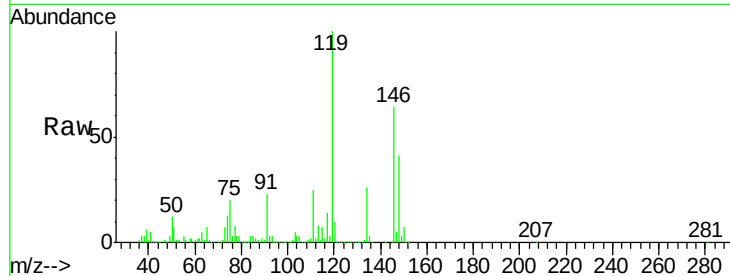
#83
1,3-Dichlorobenzene
Concen: 158.116 ug/l
RT: 13.28 min Scan# 3579
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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

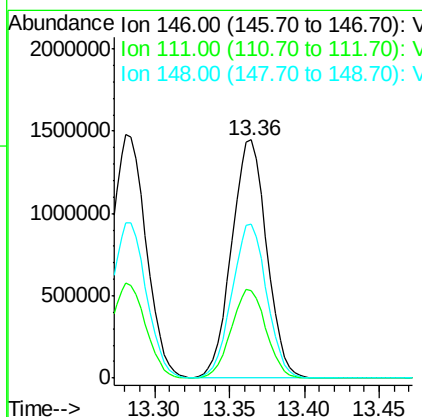
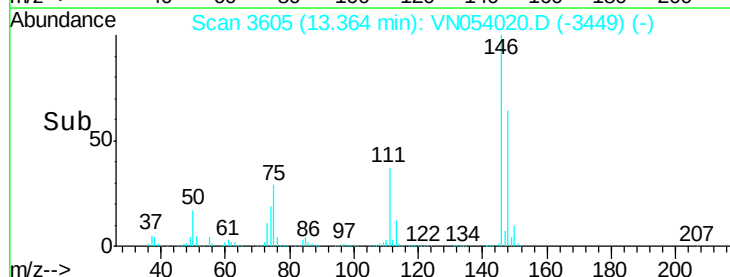
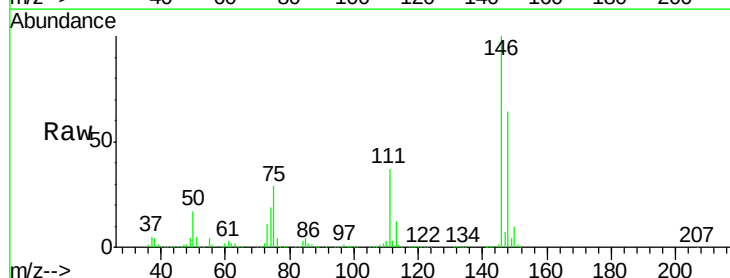
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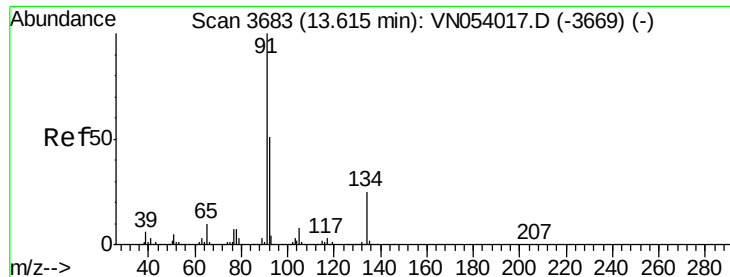
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#84
1,4-Dichlorobenzene
Concen: 162.222 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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





#85

n-Butylbenzene

Concen: 169.276 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

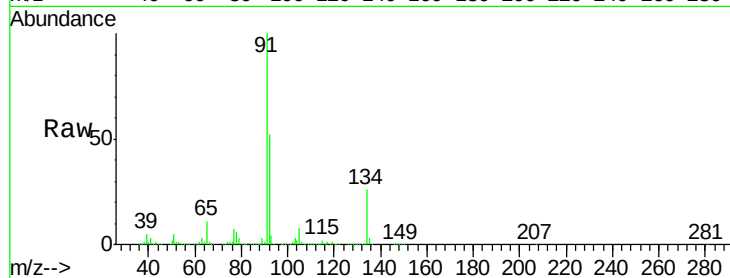
91 100

92 52.3 0.0 104.2

134 25.6 0.0 50.6

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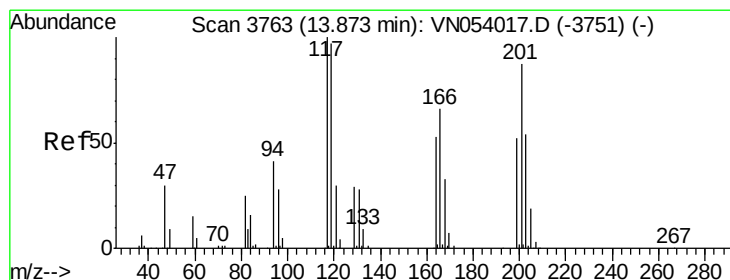
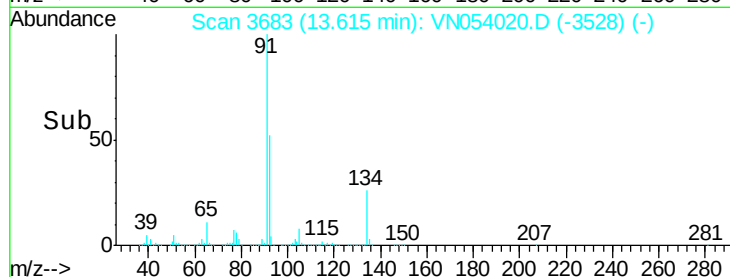
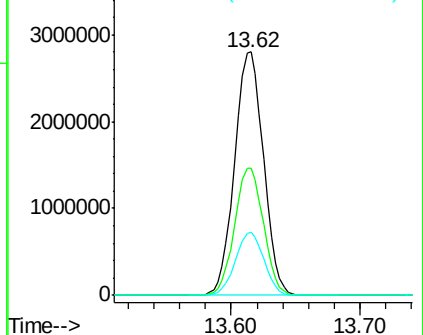
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Abundance Ion 91.00 (90.70 to 91.70): VN054017.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN054017.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN054017.D (-3669) (-)



#86

Hexachloroethane

Concen: 160.318 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN054020.D

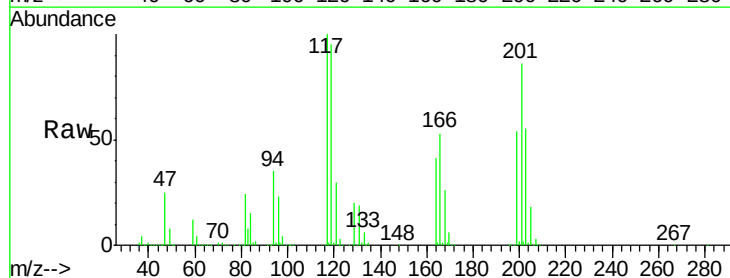
Acq: 1 Mar 2019 10:50

Tgt Ion: 117 Resp: 895701

Ion Ratio Lower Upper

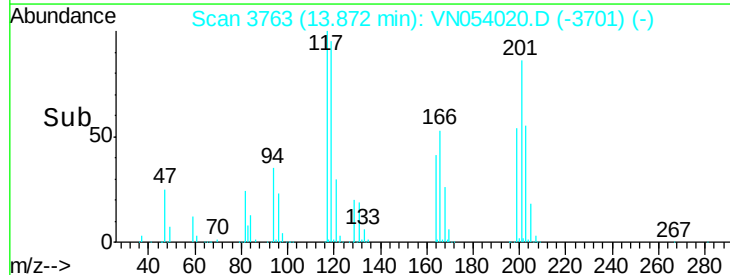
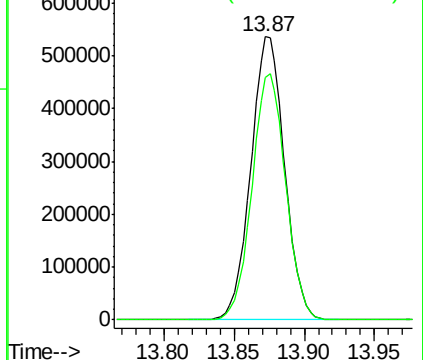
117 100

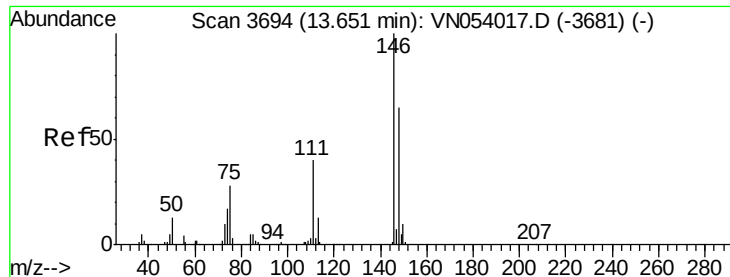
201 86.9 43.8 131.3



Abundance Ion 117.00 (116.70 to 117.70): VN054017.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN054017.D (-3751) (-)





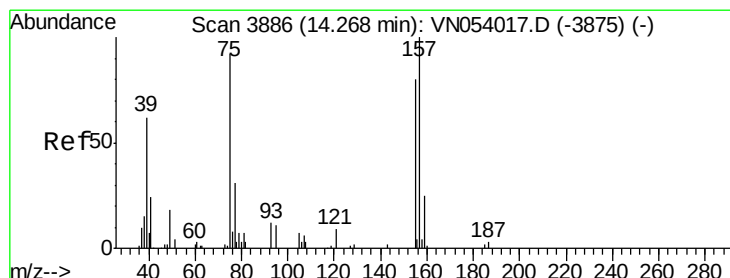
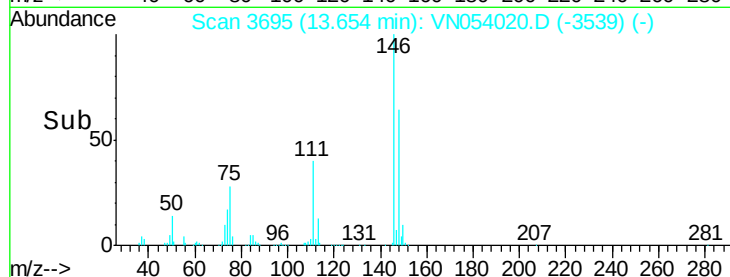
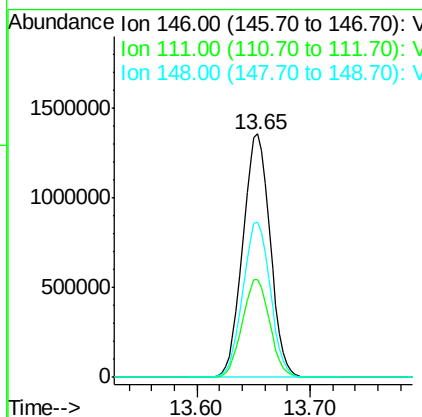
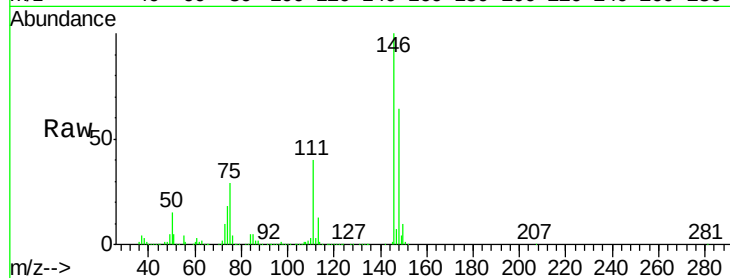
#87
 1,2-Dichlorobenzene
 Concen: 152.025 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

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

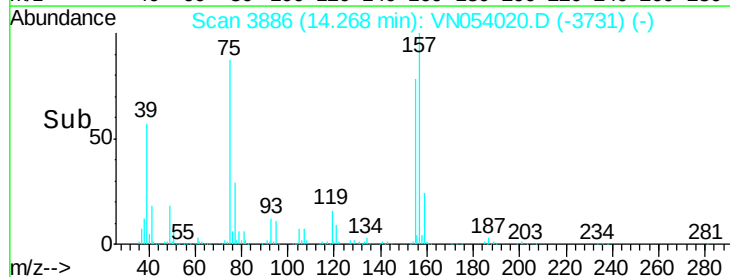
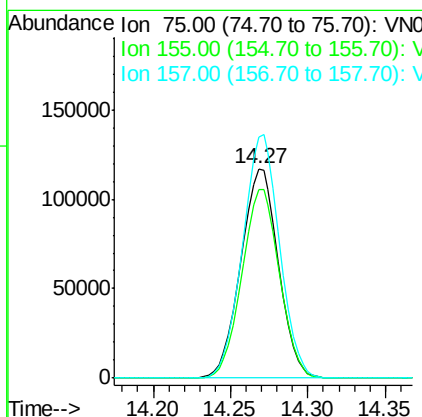
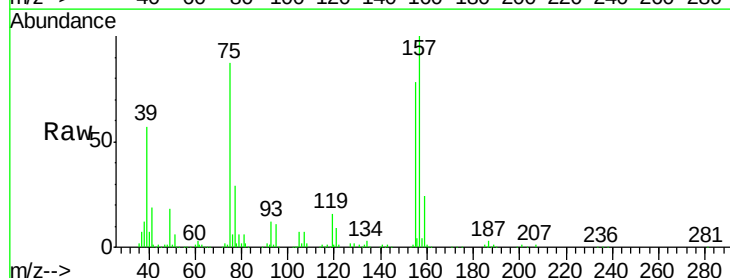
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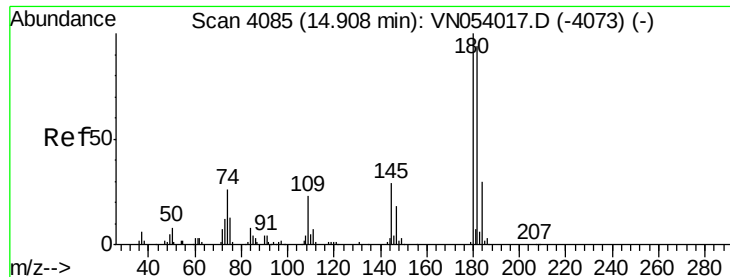
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 161.581 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

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





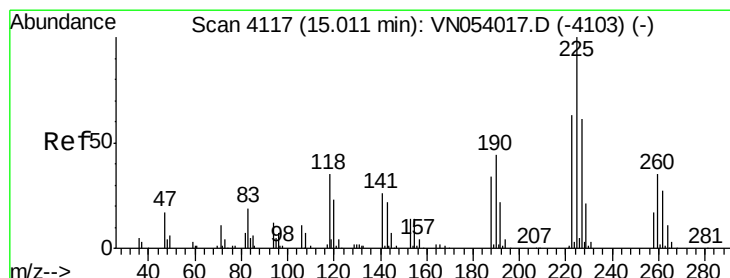
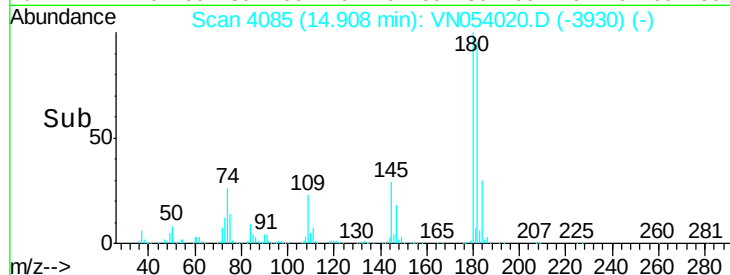
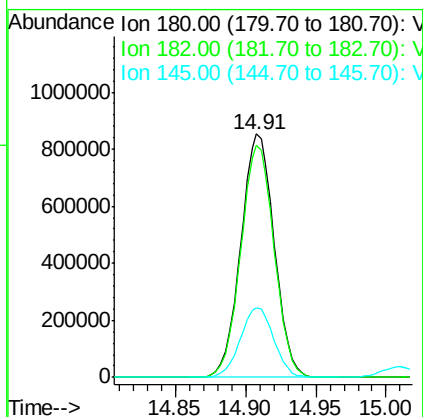
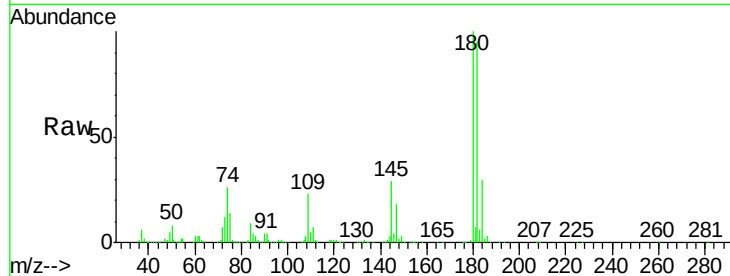
#89
 1,2,4-Trichlorobenzene
 Concen: 196.043 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

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

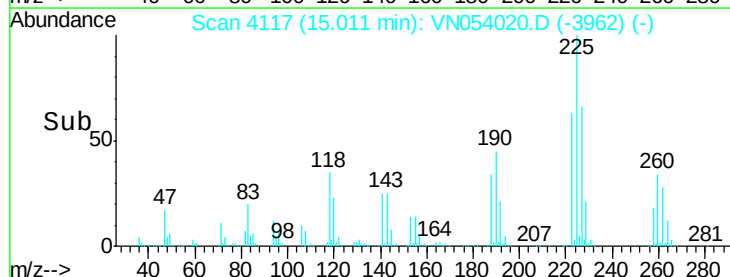
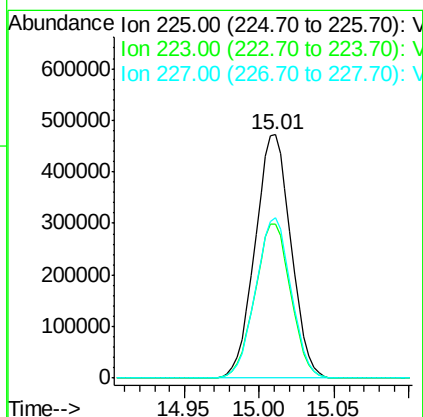
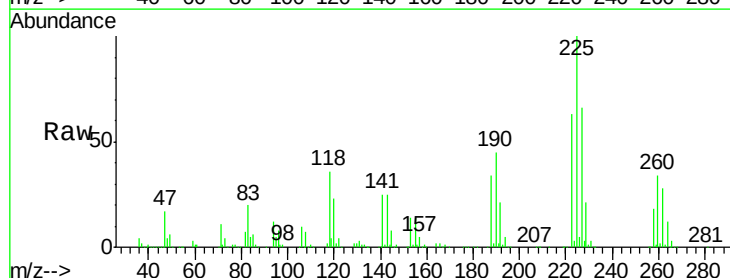
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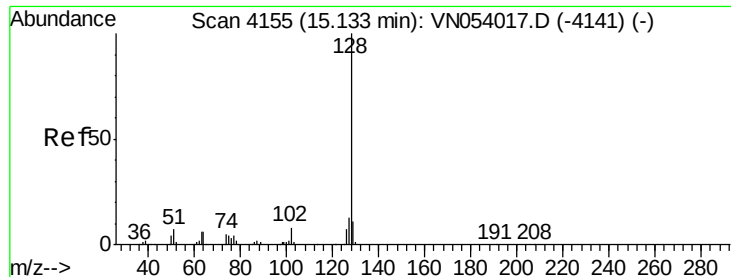
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#90
 Hexachlorobutadiene
 Concen: 139.726 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN054020.D
 Acq: 1 Mar 2019 10:50

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





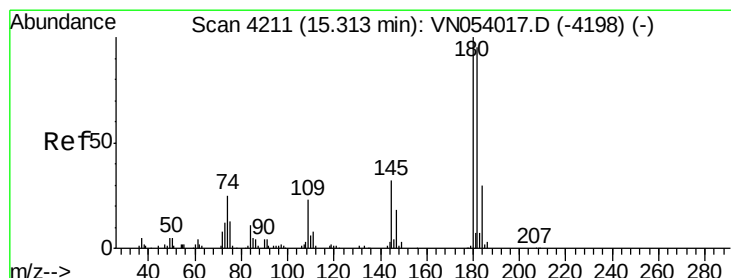
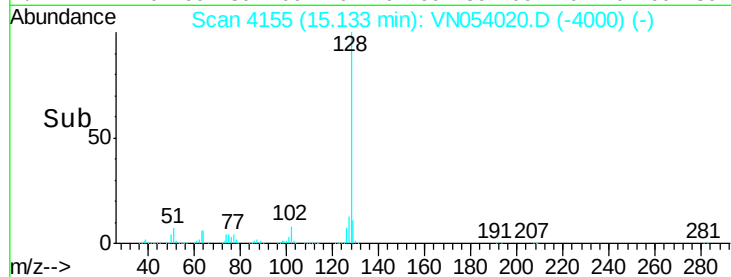
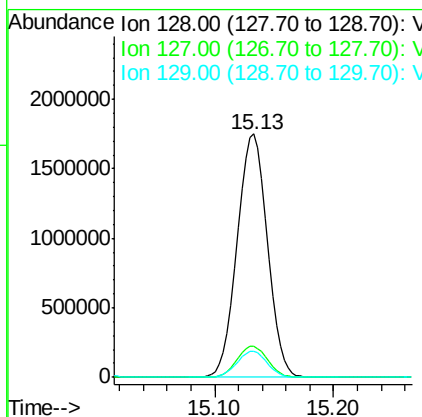
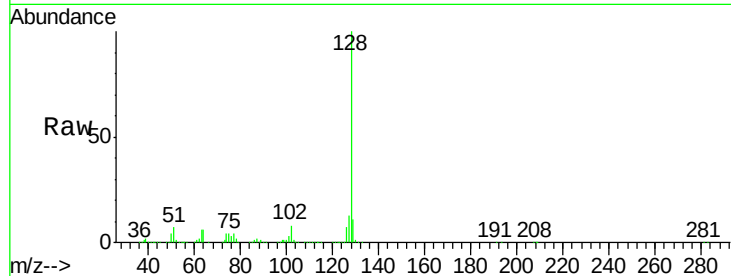
#91
Naphthalene
Concen: 220.342 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054020.D
Acq: 1 Mar 2019 10:50

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

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 186.818 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

