

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
 Data File : VN054019.D
 Acq On : 1 Mar 2019 10:24
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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

Quant Time: Mar 01 10:46:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N030119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 01 10:37:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	122857	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	681552	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	603704	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	257338	29.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.83%
60) 4-Bromofluorobenzene	12.40	95	281075	41.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	137.50%
63) Toluene-d8	10.09	98	855539	29.32	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.73%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	656022	93.236	ug/l 100
3) Chloromethane	2.06	50	903680	97.229	ug/l 98
4) Vinyl Chloride	2.19	62	898132	96.307	ug/l 98
5) Bromomethane	2.57	94	545266	94.773	ug/l 98
6) Chloroethane	2.71	64	531397	96.559	ug/l 99
7) Trichlorofluoromethane	3.02	101	1081877	95.279	ug/l 100
8) Diethyl Ether	3.41	74	425498	100.776	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	678191	92.495	ug/l 98
10) 1,1-Dichloroethene	3.74	96	663636	97.486	ug/l 97
11) Methyl Iodide	3.95	142	1053042	106.060	ug/l 98
12) Methyl Acetate	4.32	43	564252	98.859	ug/l 98
13) Acrolein	3.60	56	354867	691.755	ug/l 100
14) Acrylonitrile	4.98	53	1391306	508.818	ug/l 98
15) Acetone	3.81	58	370362	455.352	ug/l 96
16) Carbon Disulfide	4.06	76	2163540	98.523	ug/l 100
17) Allyl chloride	4.32	41	1174724	97.994	ug/l 99
18) Methylene Chloride	4.55	84	760111	96.322	ug/l 99
19) trans-1,2-Dichloroethene	5.04	96	720855	97.523	ug/l 98
20) Diisopropyl ether	5.95	45	2493236	105.062	ug/l 99
21) 1,1-Dichloroethane	5.85	63	1391770	97.837	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	817701	99.983	ug/l 97
23) tert-Butyl Alcohol	4.77	59	248704	512.470	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	1888565	103.999	ug/l 100
25) Chloroform	7.37	83	1327210	96.469	ug/l 100
26) Cyclohexane	7.65	56	1315101	102.937	ug/l # 99
29) 1,1-Dichloropropene	7.79	75	1065908	100.308	ug/l 99
30) 2-Butanone	6.83	43	1682448	499.744	ug/l 99
31) 2,2-Dichloropropane	6.82	77	1030788	97.738	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	1123273	97.643	ug/l 98
33) Carbon Tetrachloride	7.77	117	990287	97.402	ug/l 100
34) Benzene	8.04	78	3147461	99.205	ug/l # 93
35) Methacrylonitrile	7.17	41	379558	100.759	ug/l 98
36) 1,2-Dichloroethane	8.12	62	980622	95.408	ug/l 100
37) Trichloroethene	8.83	130	805512	96.975	ug/l 100
38) Methylcyclohexane	9.08	83	1295440	104.352	ug/l 98
39) 1,2-Dichloropropane	9.12	63	846492	97.444	ug/l 98
40) Dibromomethane	9.21	93	487259	97.300	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	1036405	98.031	ug/l	99
42) Vinyl Acetate	5.89	43	9137373	534.914	ug/l	99
43) Ethyl Acetate	6.92	43	727586	104.294	ug/l #	67
44) Isopropyl Acetate	8.16	43	1268489	103.749	ug/l	98
45) 1,4-Dioxane	9.20	88	150380	2305.655	ug/l	96
46) Methyl methacrylate	9.20	41	633817	109.773	ug/l	98
47) n-amyl Acetate	12.07	43	994148	114.802	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	1109465	107.044	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	1267707	103.172	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	676703	96.318	ug/l	99
51) Ethyl methacrylate	10.43	69	913496	112.297	ug/l	99
52) 1,3-Dichloropropane	10.71	76	1201982	100.259	ug/l	99
53) Dibromochloromethane	10.90	129	771597	101.264	ug/l	97
54) 1,2-Dibromoethane	11.00	107	670005	101.550	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	2106962	561.658	ug/l	99
56) Bromoform	12.13	173	525335	105.299	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	3496001	518.531	ug/l	98
59) 2-Hexanone	10.75	43	2289508	522.168	ug/l	99
61) Tetrachloroethene	10.63	164	776701	90.464	ug/l	96
62) Toluene	10.16	91	3308309	97.636	ug/l	100
64) Chlorobenzene	11.43	112	2022094	98.286	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	740095	97.930	ug/l	100
66) Ethyl Benzene	11.51	91	3564430	101.795	ug/l	99
67) m/p-Xylenes	11.62	106	2661553	201.399	ug/l	100
68) o-Xylene	11.95	106	1293436	101.104	ug/l	100
69) Styrene	11.96	104	2105229	105.030	ug/l	99
70) Isopropylbenzene	12.25	105	3364830	133.304	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	833602	133.803	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	632573m	99.738	ug/l	
73) Bromobenzene	12.53	156	844726	99.535	ug/l	99
74) n-propylbenzene	12.59	91	4043907	135.776	ug/l	100
75) 2-Chlorotoluene	12.67	91	2324985	131.857	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	2860408	100.764	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	236891	150.177	ug/l	96
78) 4-Chlorotoluene	12.77	91	2362997	101.686	ug/l	99
79) tert-butylbenzene	12.99	119	2518332	101.236	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2885711	103.084	ug/l	100
81) sec-Butylbenzene	13.17	105	3398566	98.874	ug/l	100
82) p-Isopropyltoluene	13.29	119	2952359	102.160	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	1513716	102.482	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	1489944	107.566	ug/l	99
85) n-Butylbenzene	13.61	91	2725422	112.693	ug/l	100
86) Hexachloroethane	13.87	117	551517	102.467	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	1454065	100.094	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	117096	98.092	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	846916	130.791	ug/l	99
90) Hexachlorobutadiene	15.01	225	519442	93.786	ug/l	99
91) Naphthalene	15.13	128	1752178	142.894	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	805663	121.989	ug/l	98

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ClientSampleId :
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QLast Update : Fri Mar 01 10:37:18 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

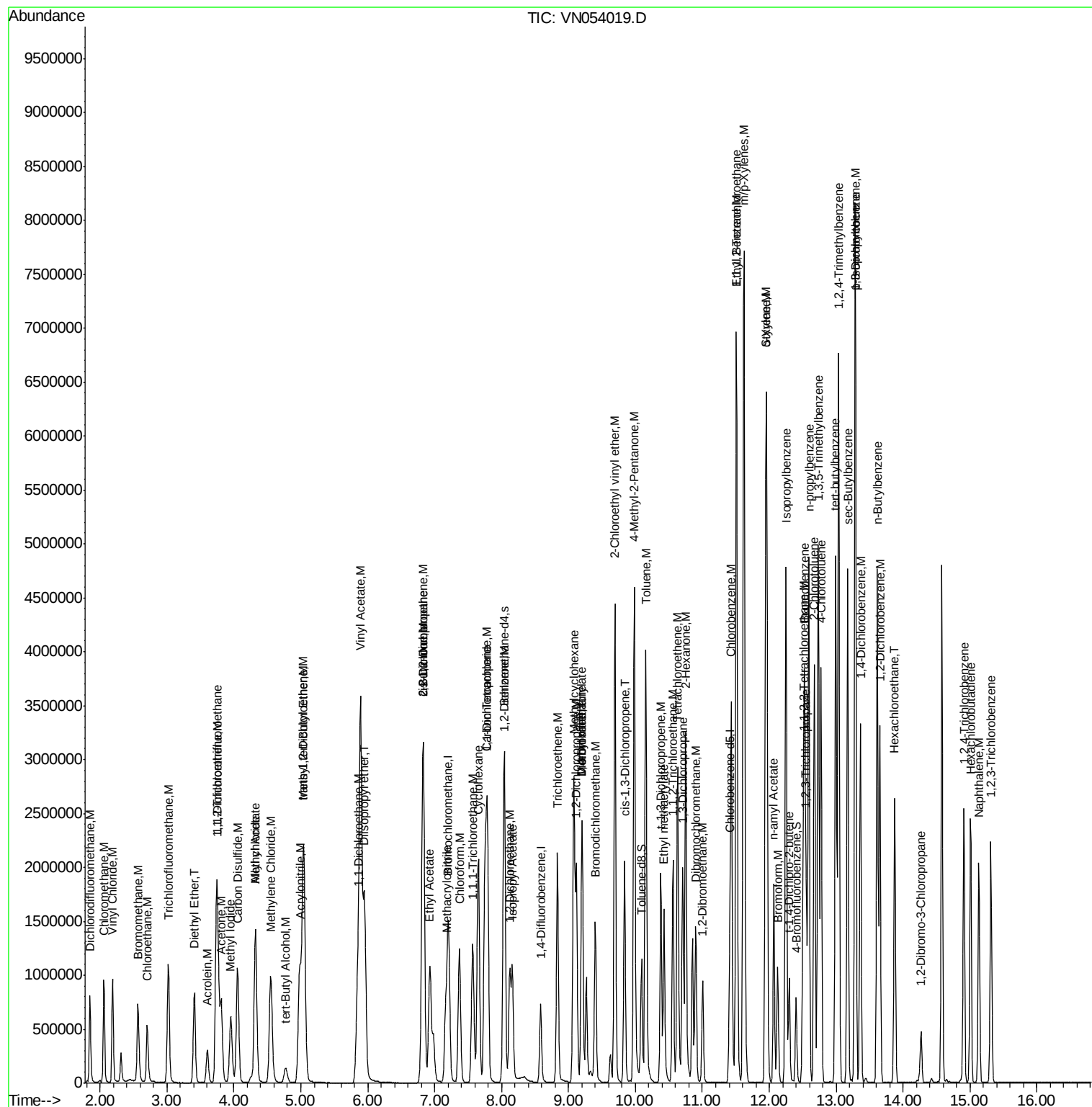
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030119\
Data File : VN054019.D
Acq On : 1 Mar 2019 10:24
Operator : JC/SP
Sample : VSTDIC100
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

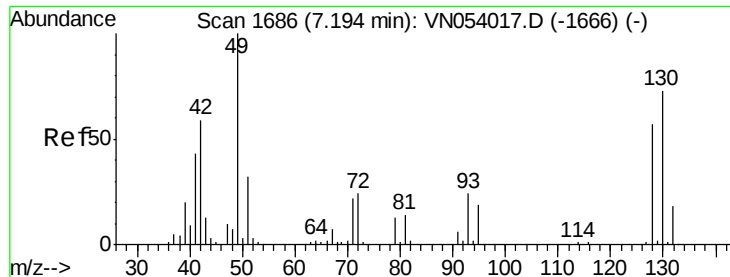
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Manual Integrations
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

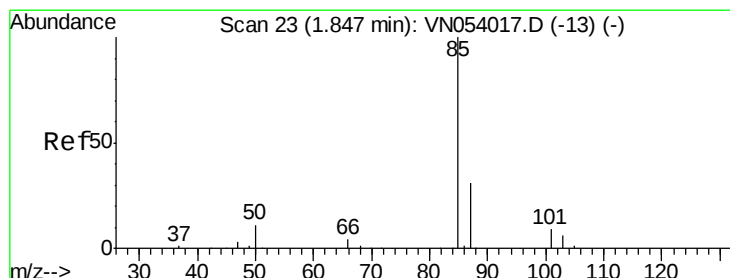
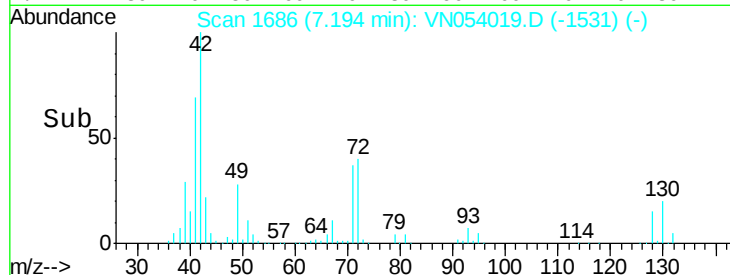
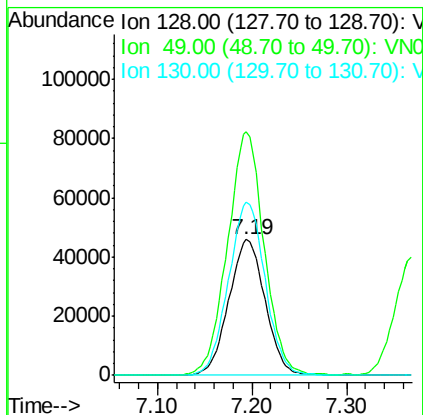
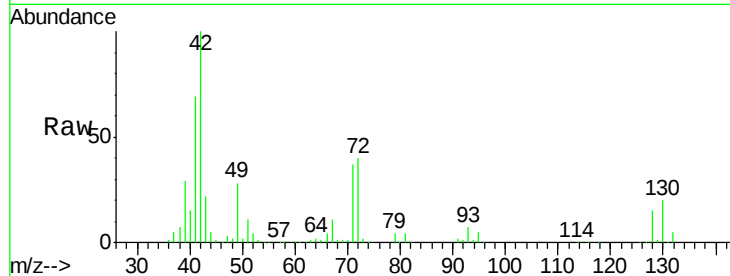
ClientSampled :

VSTDIC100

Tot Ion:	128	Resp:	122857
Ion Ratio	Lower	Upper	
128	100		
49	180.6	0.0	431.8
130	128.6	0.0	317.0

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 93.236 ug/l

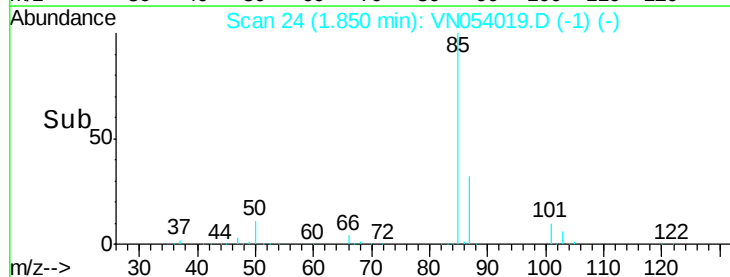
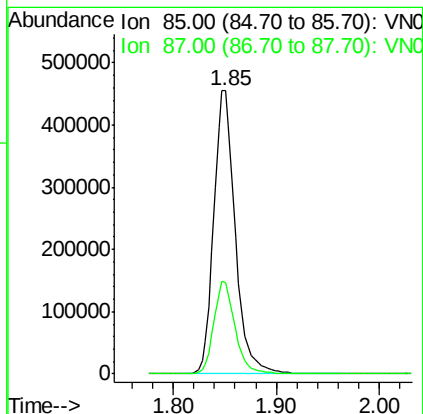
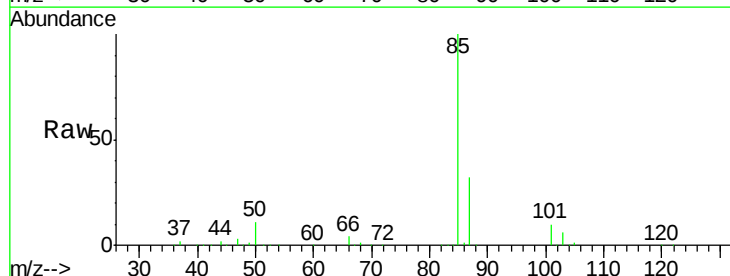
RT: 1.85 min Scan# 24

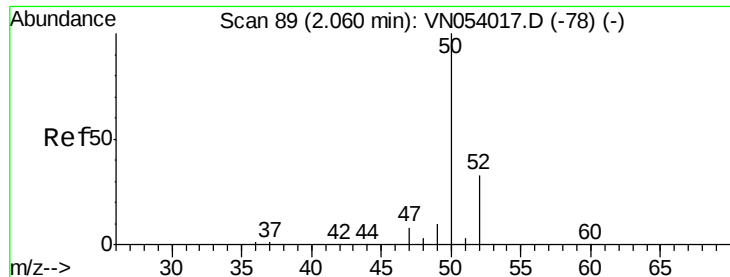
Delta R.T. 0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion:	85	Resp:	656022
Ion Ratio	Lower	Upper	
85	100		
87	32.4	16.1	48.3





#3

Chloromethane

Concen: 97.229 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 903680

Ion Ratio Lower Upper

50 100

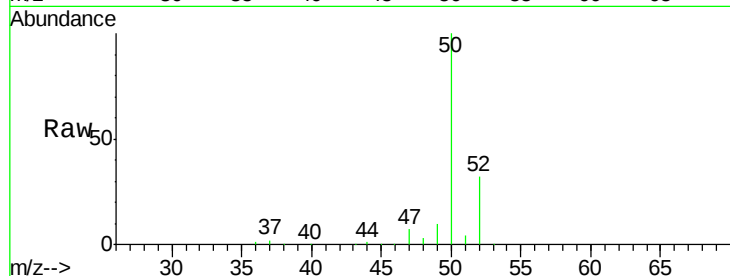
52 32.0 26.5 39.7

Manual Integrations

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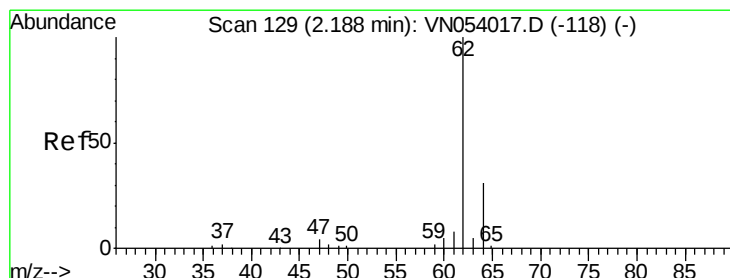
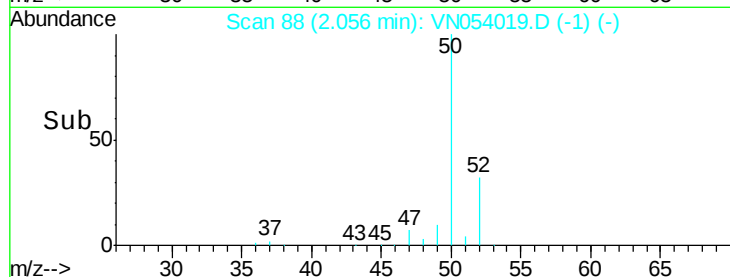
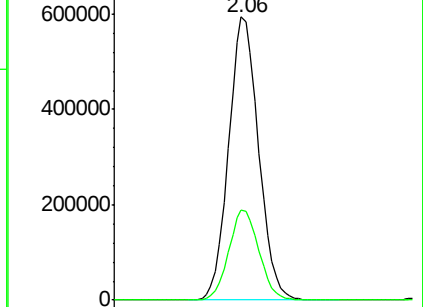
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 96.307 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054019.D

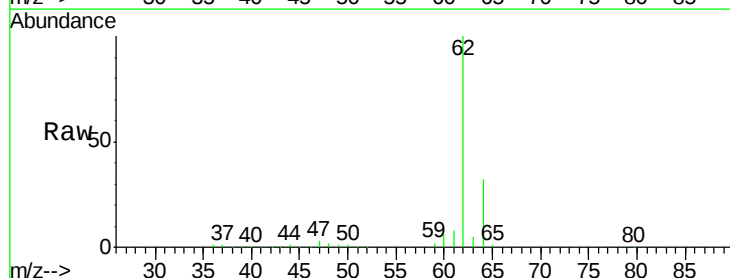
Acq: 1 Mar 2019 10:24

Tgt Ion: 62 Resp: 898132

Ion Ratio Lower Upper

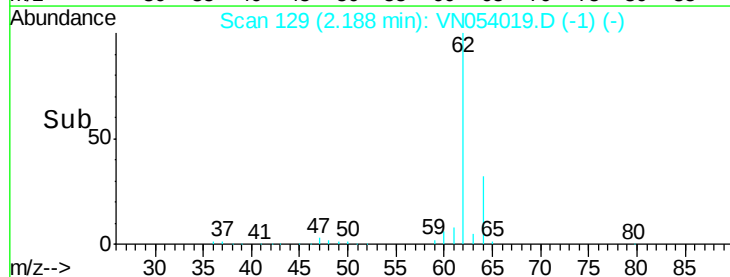
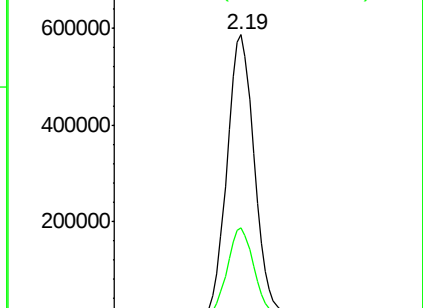
62 100

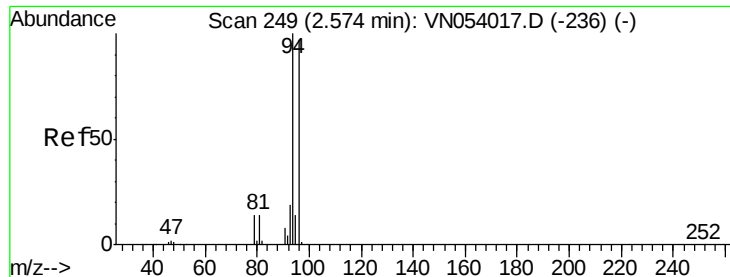
64 31.6 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 94.773 ug/l

RT: 2.57 min Scan# 247

Delta R.T. -0.01 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 545266

Ion Ratio Lower Upper

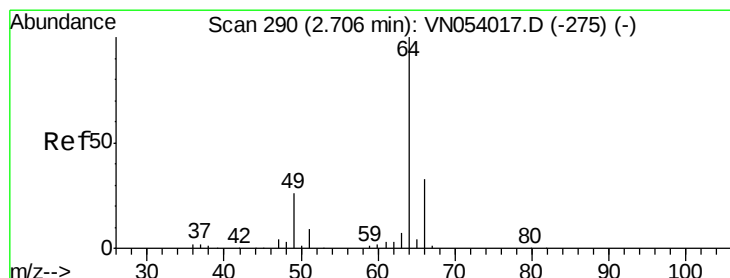
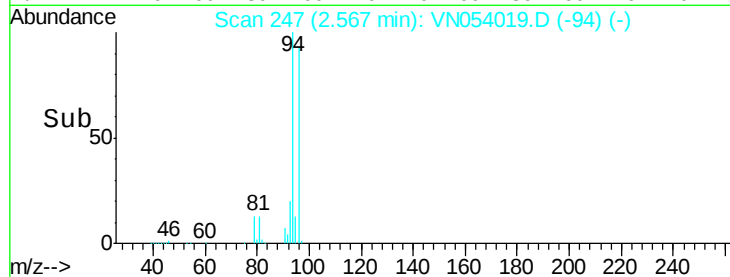
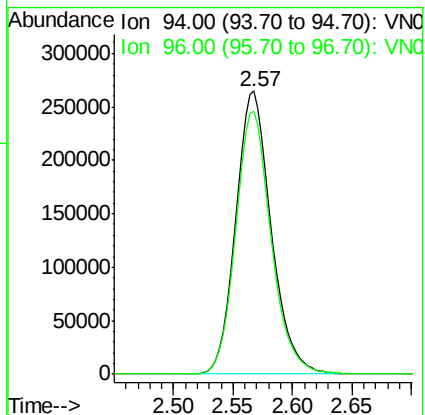
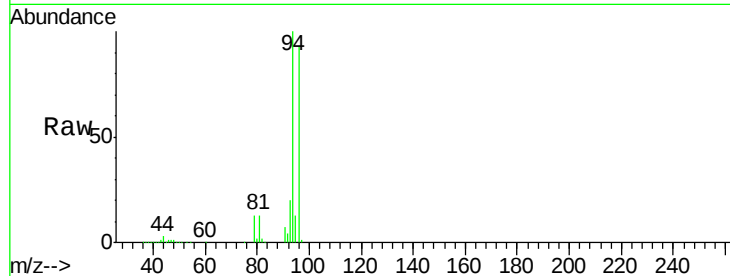
94 100

96 93.1 76.2 114.2

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#6

Chloroethane

Concen: 96.559 ug/l

RT: 2.71 min Scan# 290

Delta R.T. -0.00 min

Lab File: VN054019.D

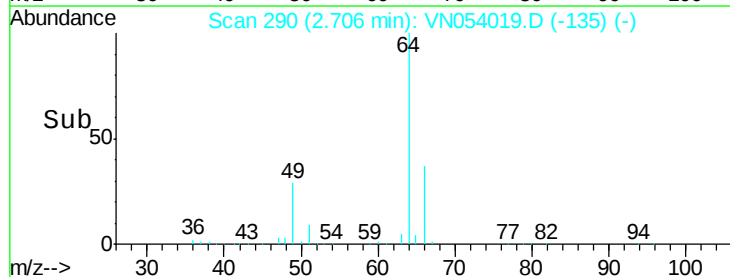
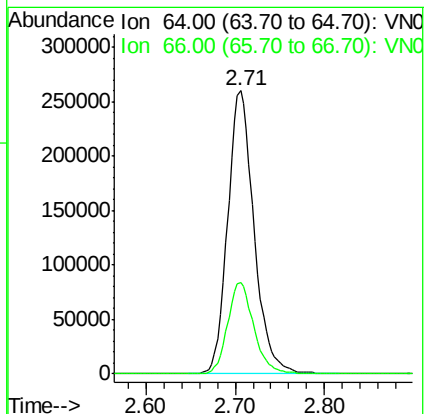
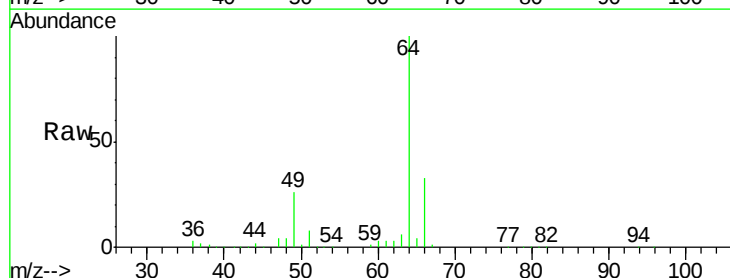
Acq: 1 Mar 2019 10:24

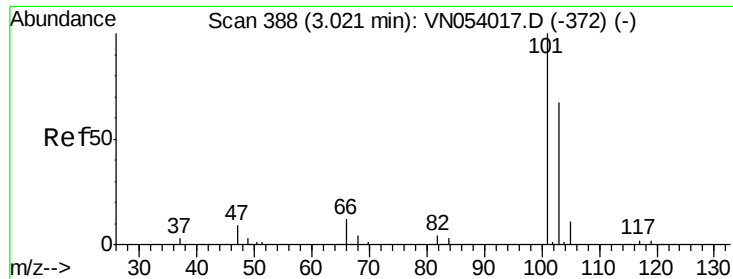
Tgt Ion: 64 Resp: 531397

Ion Ratio Lower Upper

64 100

66 32.5 25.6 38.4





#7

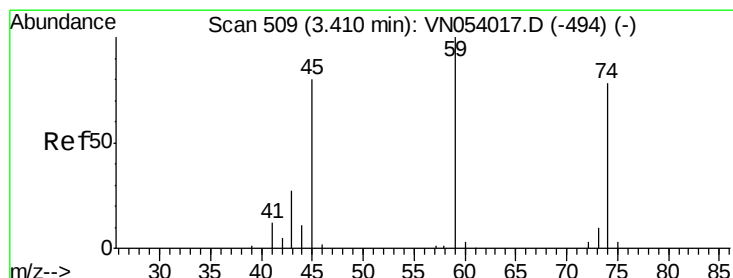
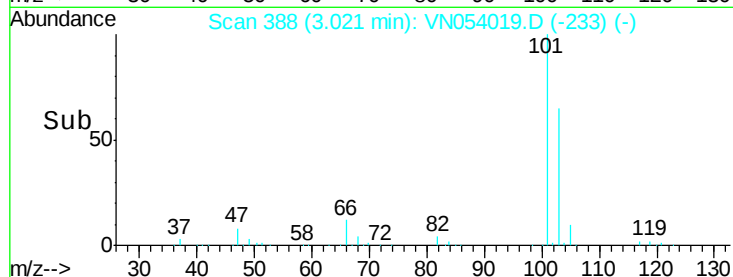
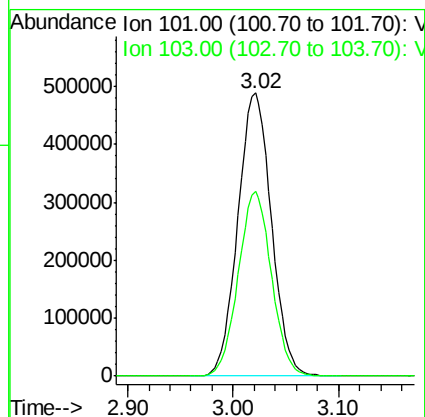
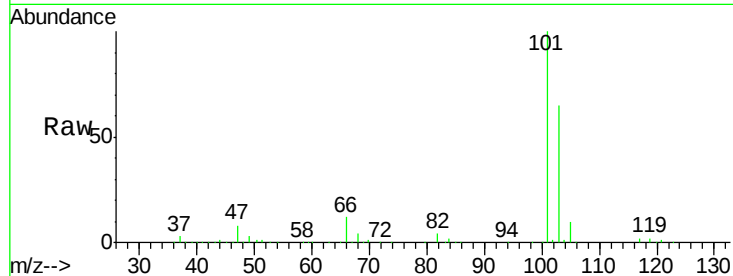
Trichlorofluoromethane
Concen: 95.279 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:101 Resp: 1081877
Ion Ratio Lower Upper
101 100
103 65.2 52.1 78.1

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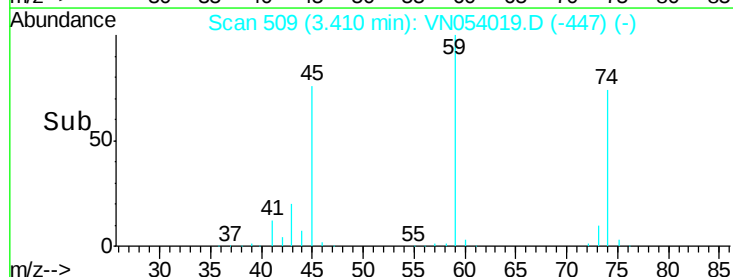
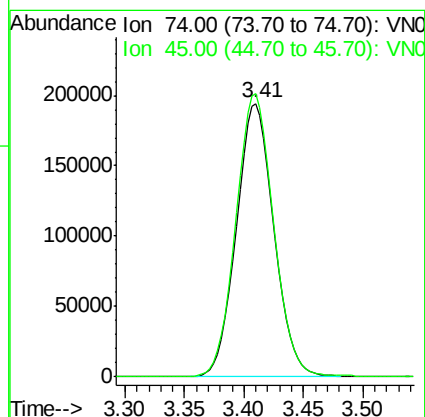
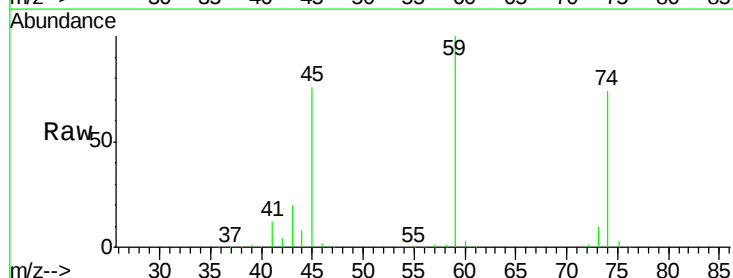
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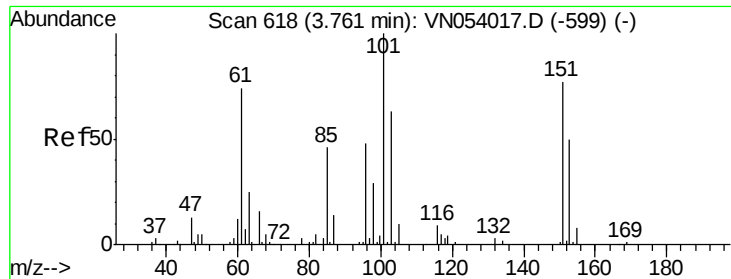


#8

Diethyl Ether
Concen: 100.776 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 74 Resp: 425498
Ion Ratio Lower Upper
74 100
45 103.9 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 92.495 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

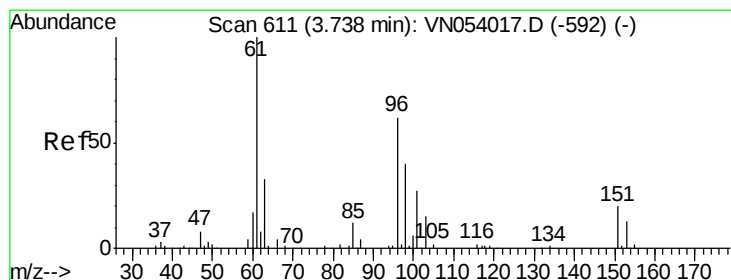
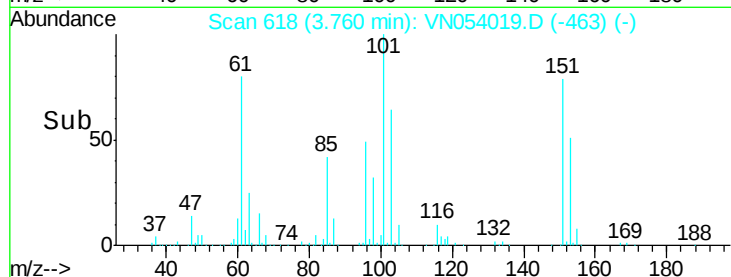
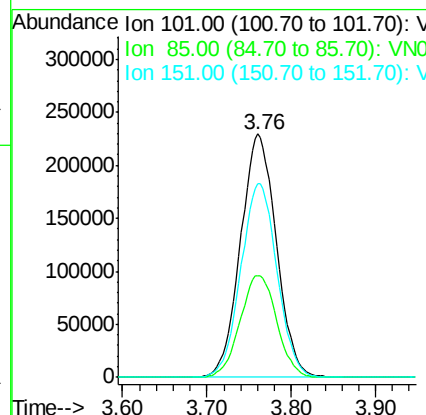
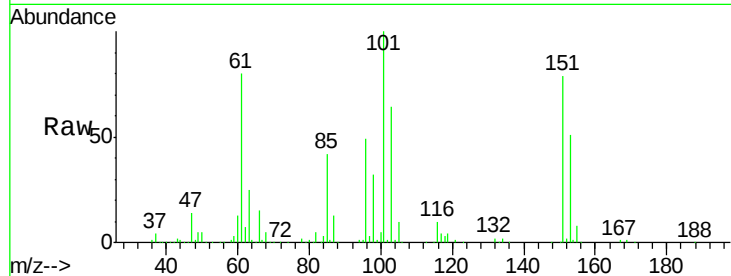
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	678191
Ion Ratio	Lower	Upper	
101	100		
85	42.8	0.0	82.6
151	80.6	0.0	158.4

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



#10

1,1-Dichloroethene

Concen: 97.486 ug/l

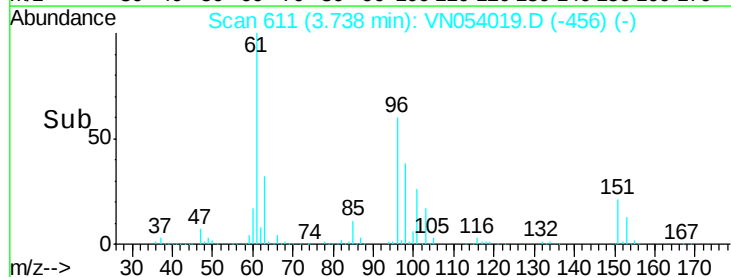
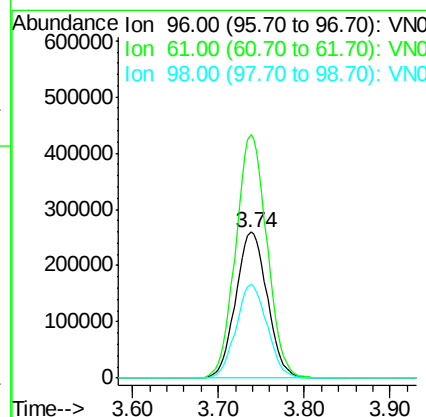
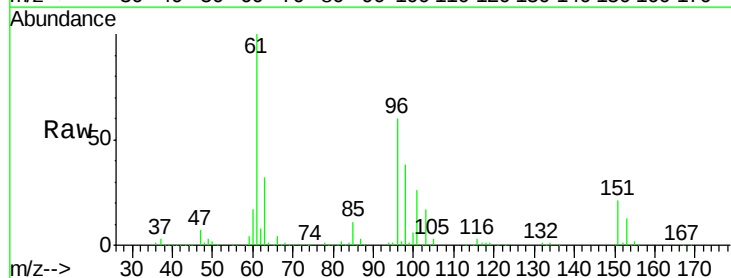
RT: 3.74 min Scan# 611

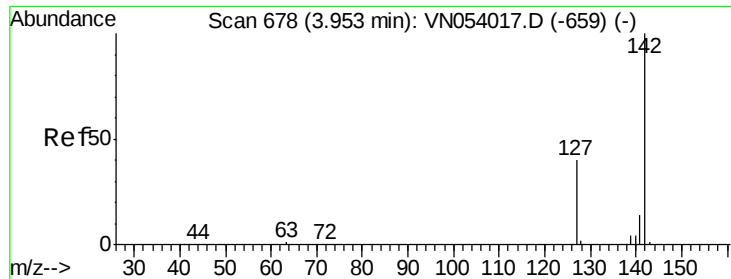
Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion:	96	Resp:	663636
Ion Ratio	Lower	Upper	
96	100		
61	166.8	129.4	194.2
98	64.1	50.4	75.6





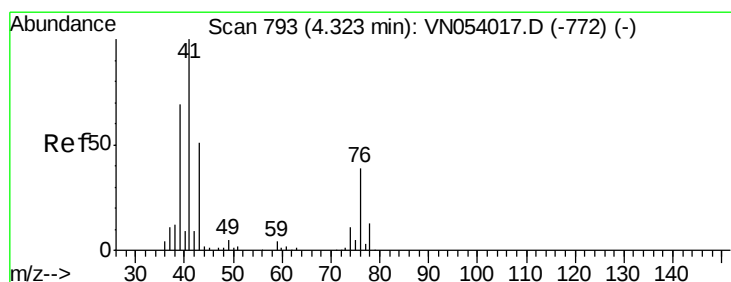
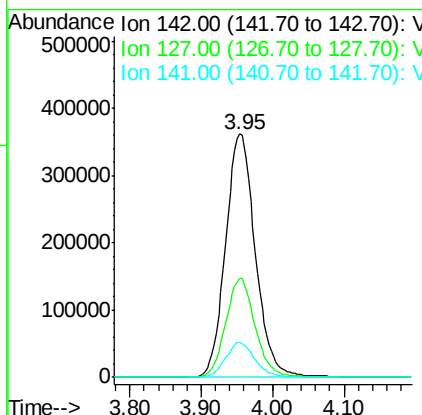
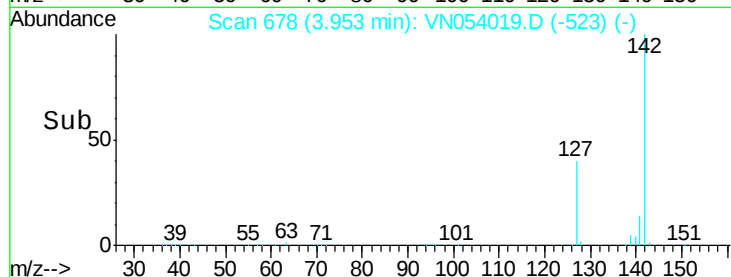
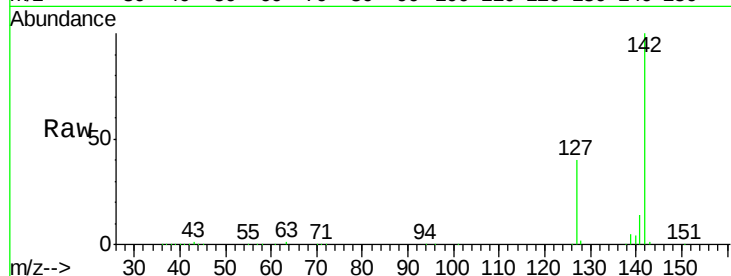
#11
Methvl Iodide
Concen: 106.060 ug/l
RT: 3.95 min Scan# 678
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.4	19.4	58.1
141	14.4	7.2	21.6

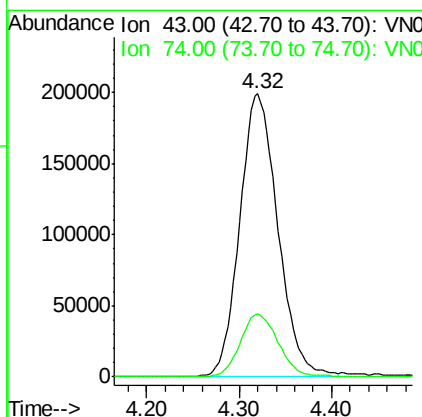
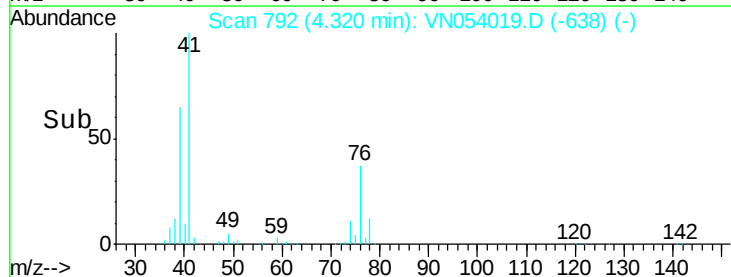
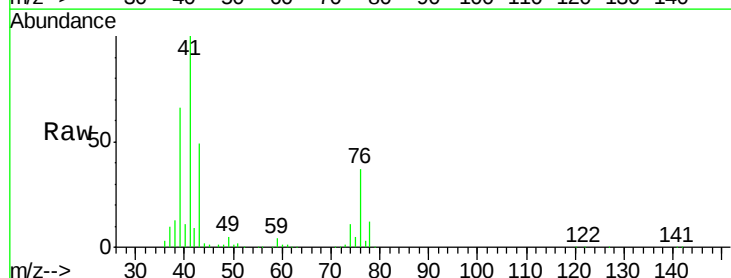
Manual Integrations
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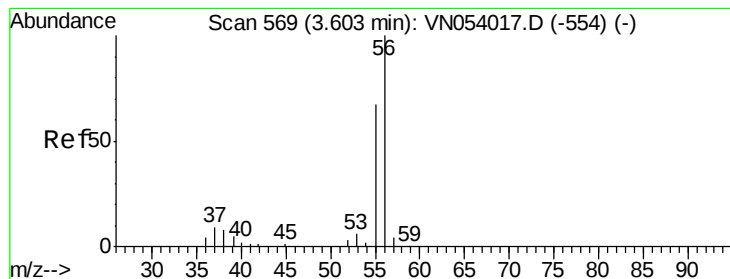
MMDadoda
3/6/2019 10:23:23 AM



#12
Methyl Acetate
Concen: 98.859 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	18.9	28.3





#13

Acrolein

Concen: 691.755 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 354867

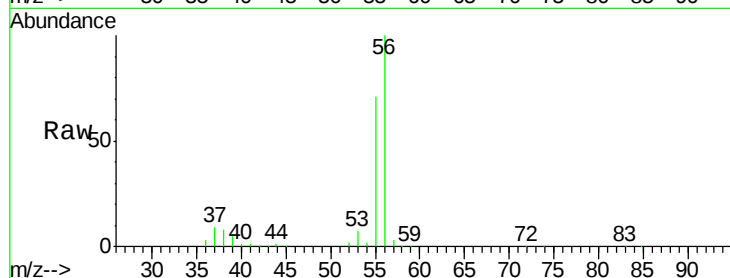
Ion Ratio Lower Upper

56 100

55 71.1 56.7 85.1

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



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

150000

100000

50000

0

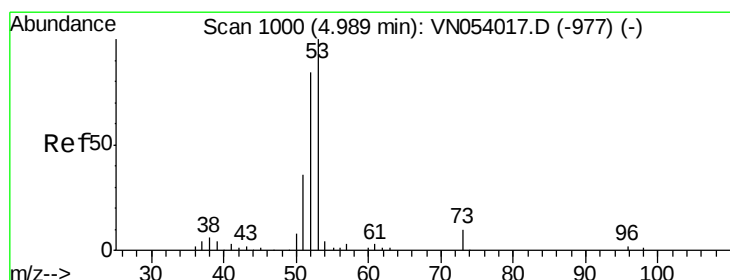
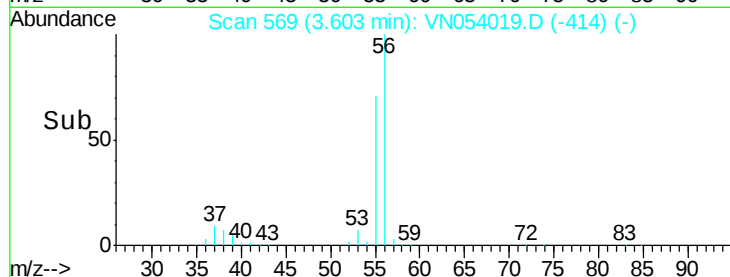
3.60

3.50

3.70

3.80

Time-->



#14

Acrylonitrile

Concen: 508.818 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

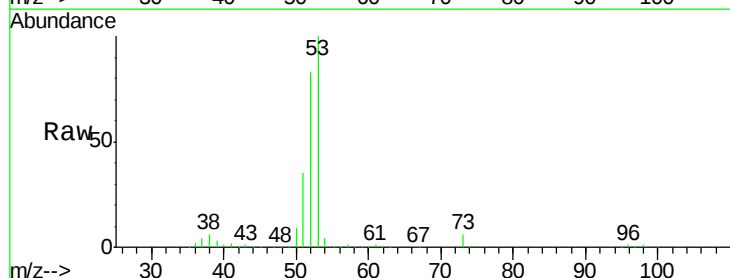
Tgt Ion: 53 Resp: 1391306

Ion Ratio Lower Upper

53 100

52 82.5 39.9 119.7

51 35.7 17.6 52.9



Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO

500000

400000

300000

200000

100000

0

4.98

4.80

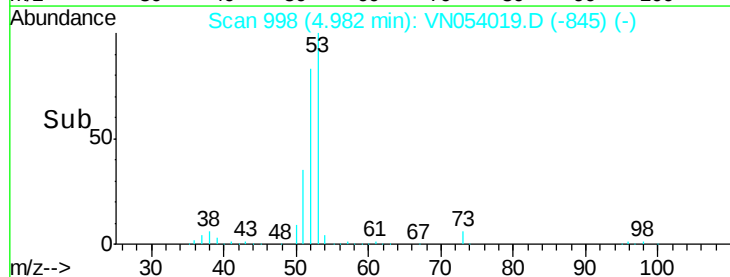
4.90

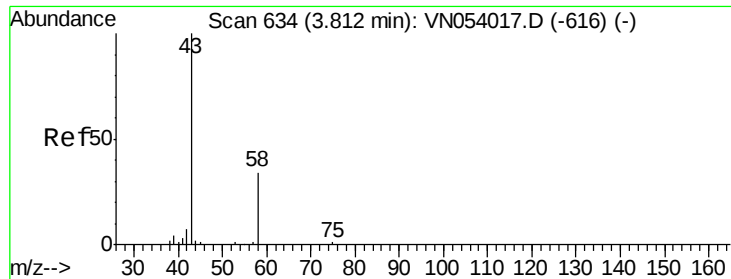
5.00

5.10

5.20

Time-->





#15

Acetone

Concen: 455.352 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 58 Resp: 370362

Ion Ratio Lower Upper

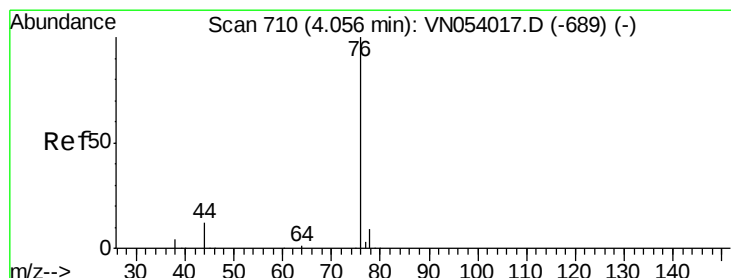
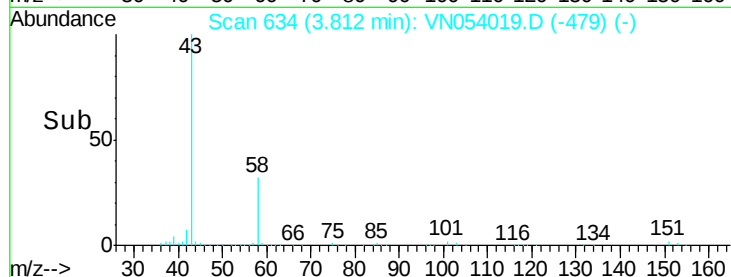
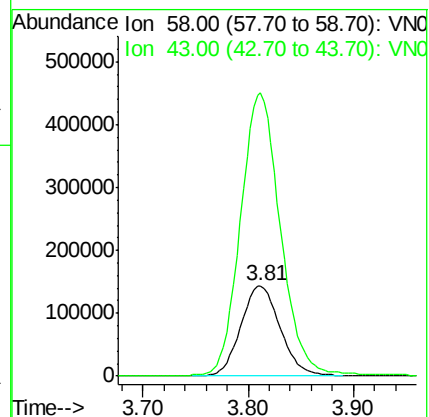
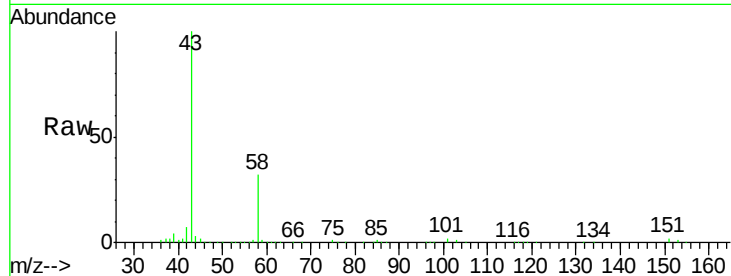
58 100

43 312.0 243.6 365.4

Manual Integrations
APPROVED

MMDadoda

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#16

Carbon Disulfide

Concen: 98.523 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN054019.D

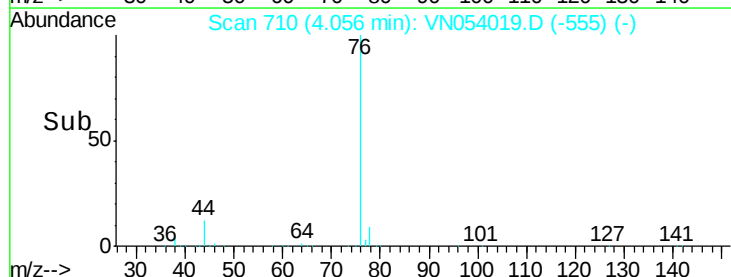
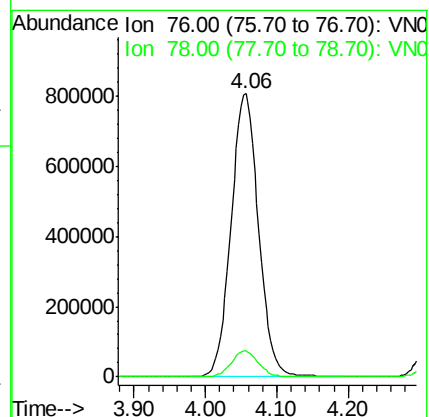
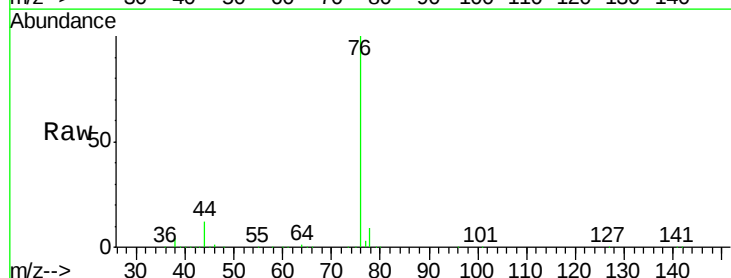
Acq: 1 Mar 2019 10:24

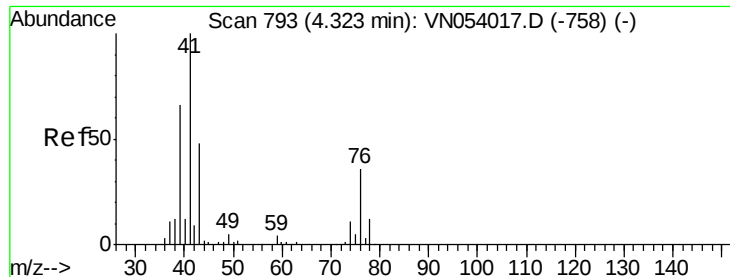
Tgt Ion: 76 Resp: 2163540

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9





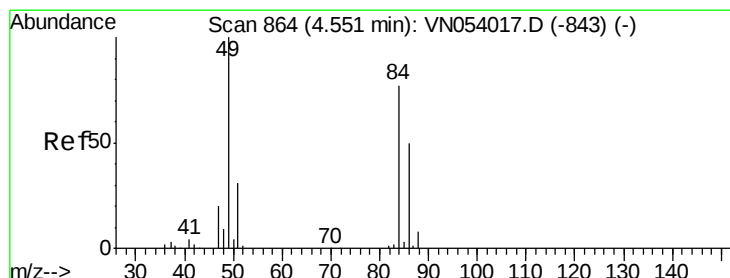
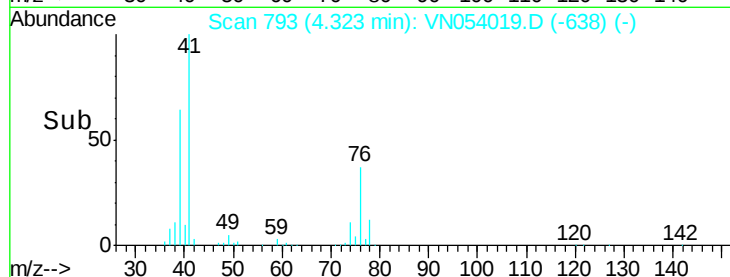
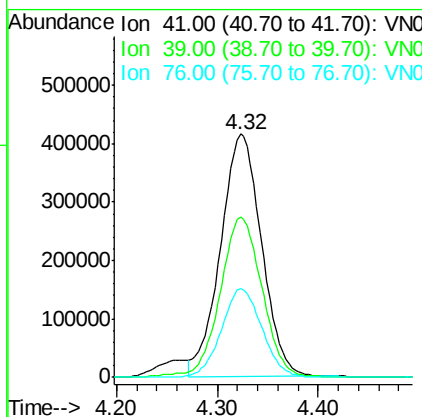
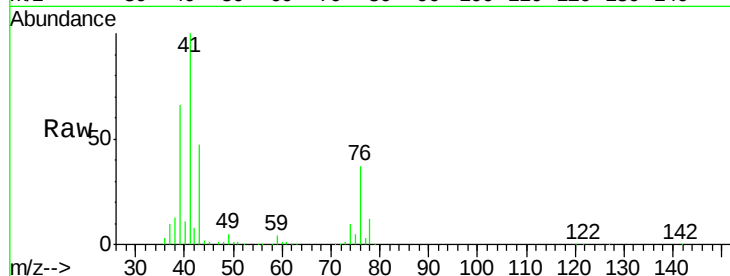
#17
Allvl chloride
Concen: 97.994 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 41 Resp: 1174724
Ion Ratio Lower Upper
41 100
39 65.8 32.8 98.3
76 36.5 18.6 55.8

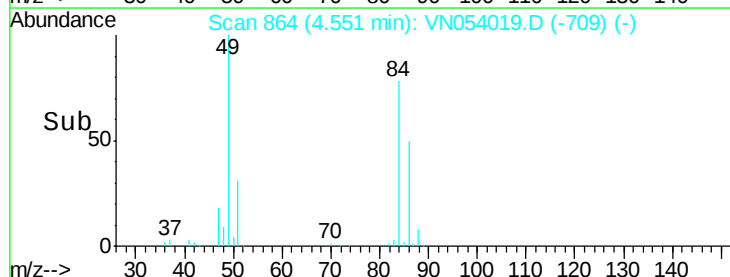
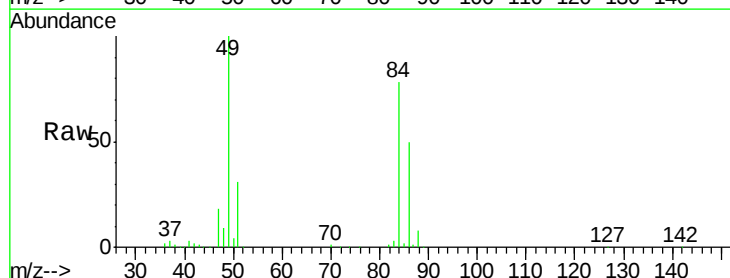
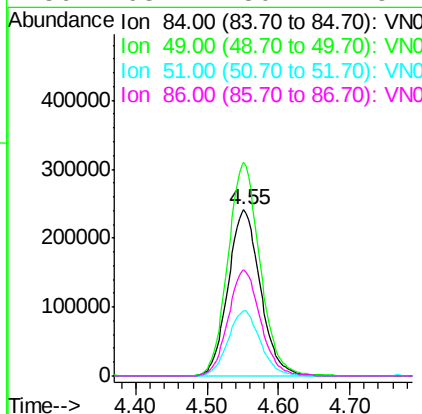
Manual Integrations
APPROVED

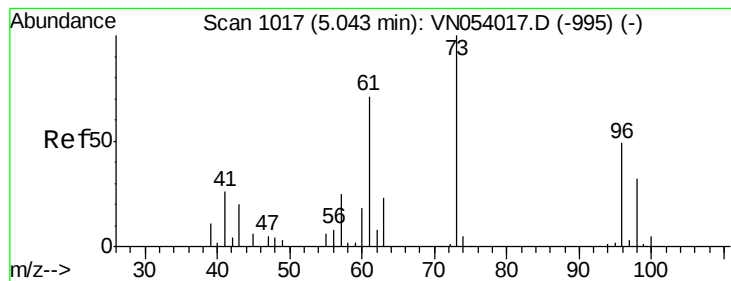
MMDadoda
3/6/2019 10:23:23 AM



#18
Methylene Chloride
Concen: 96.322 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 84 Resp: 760111
Ion Ratio Lower Upper
84 100
49 128.6 101.4 152.0
51 39.6 31.7 47.5
86 63.7 50.1 75.1





#19

trans-1,2-Dichloroethene

Concen: 97.523 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 96 Resp: 720855

Ion Ratio Lower Upper

96 100

61 145.3 118.2 177.4

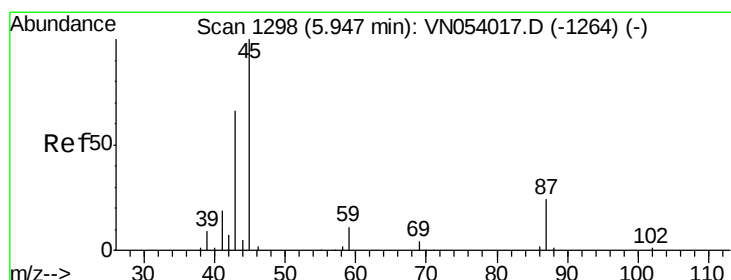
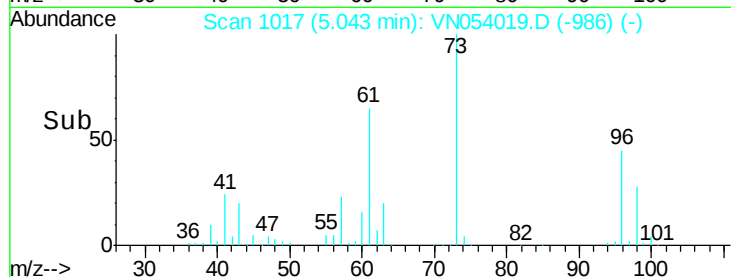
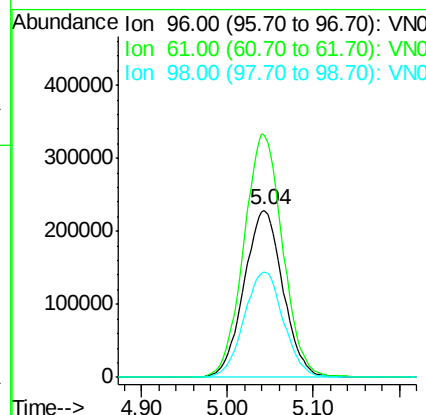
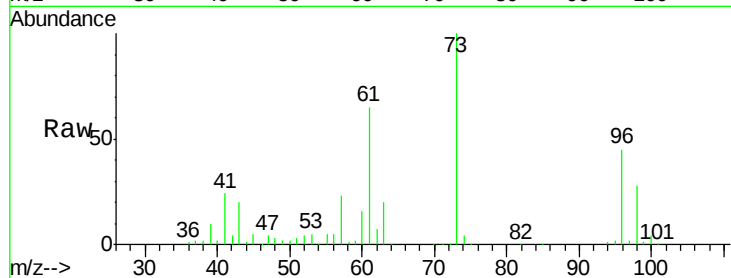
98 62.8 51.4 77.2

Manual Integrations

APPROVED

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#20

Diisopropyl ether

Concen: 105.062 ug/l

RT: 5.95 min Scan# 1298

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion: 45 Resp: 2493236

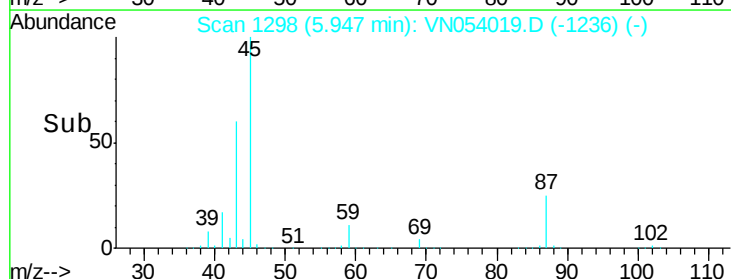
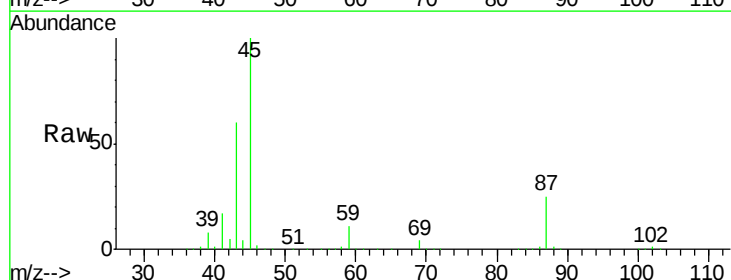
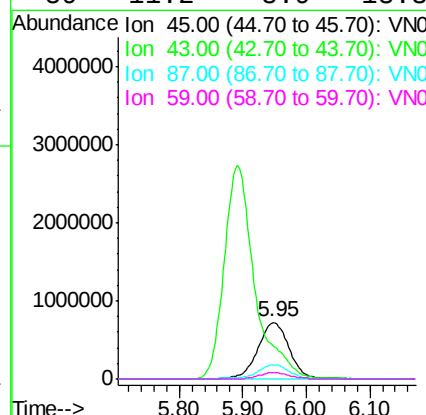
Ion Ratio Lower Upper

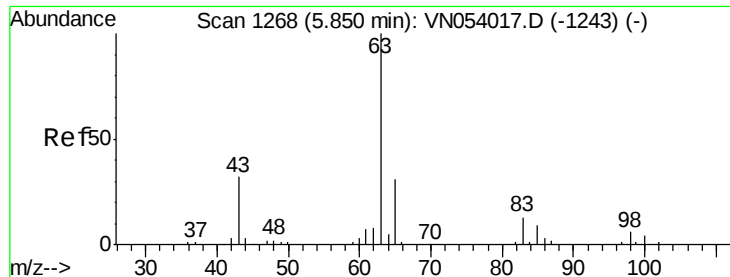
45 100

43 59.5 47.8 71.8

87 25.1 21.3 31.9

59 11.2 8.9 13.3





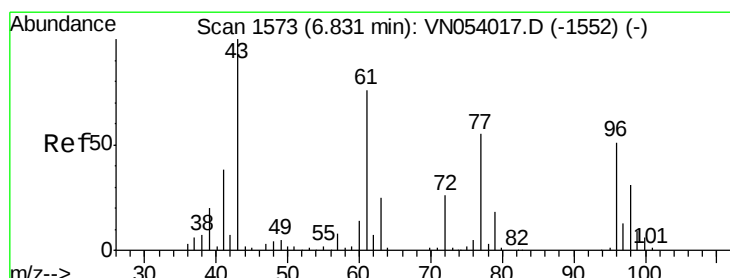
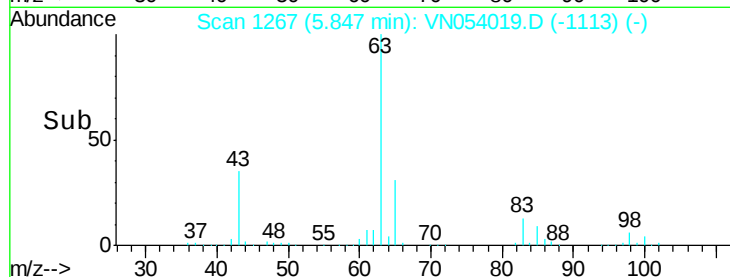
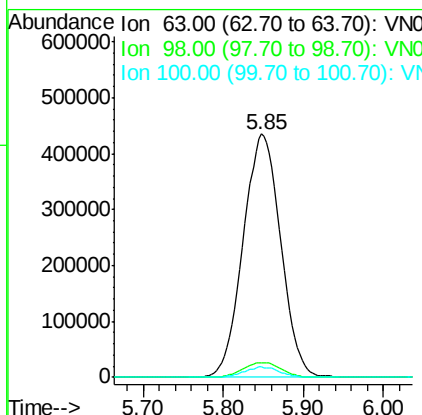
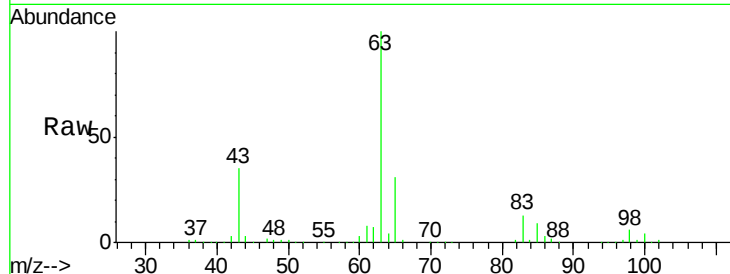
#21
 1,1-Dichloroethane
 Concen: 97.837 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 63 Resp: 1391770
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.0 9.2
 100 4.1 1.8 5.5

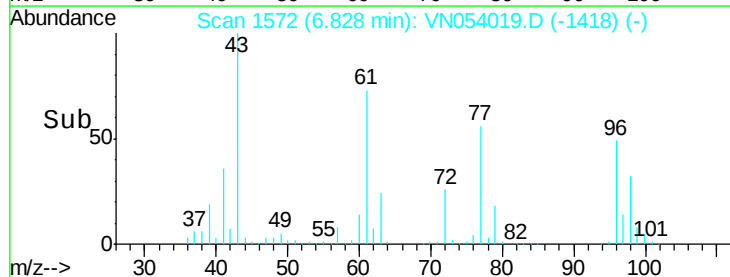
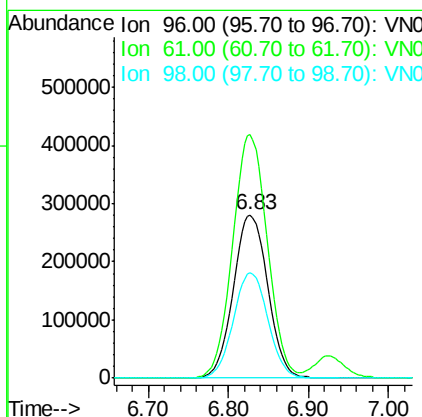
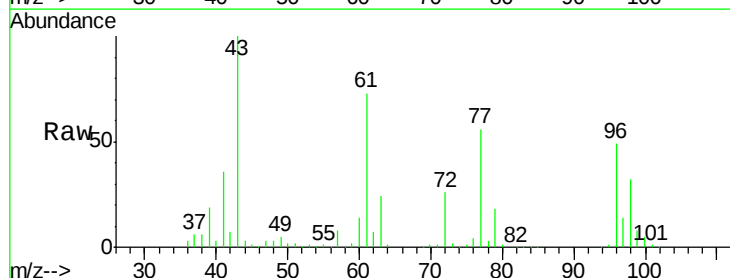
Manual Integrations
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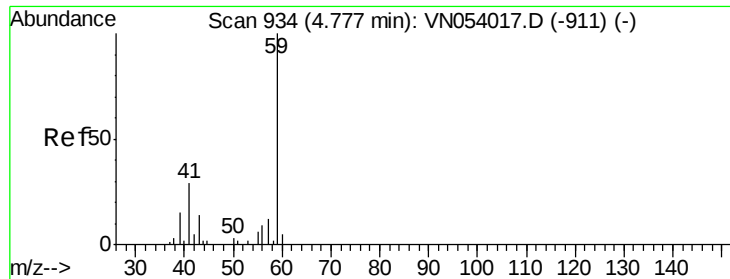
MMDadoda
 3/6/2019 10:23:23 AM



#22
 cis-1,2-Dichloroethene
 Concen: 99.983 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 96 Resp: 817701
 Ion Ratio Lower Upper
 96 100
 61 150.1 116.7 175.1
 98 64.9 50.8 76.2





#23

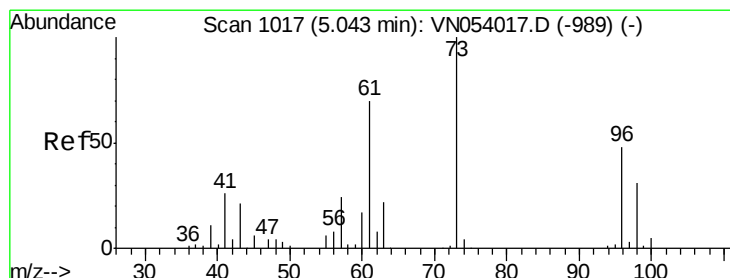
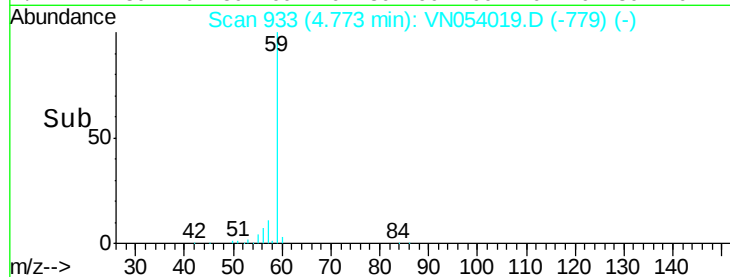
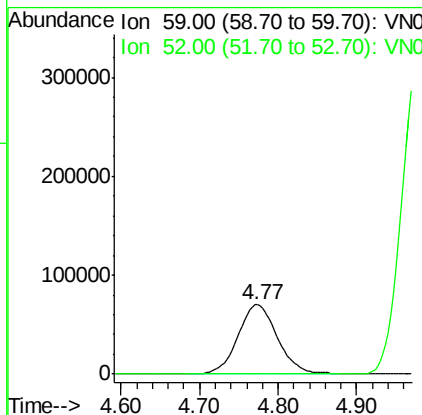
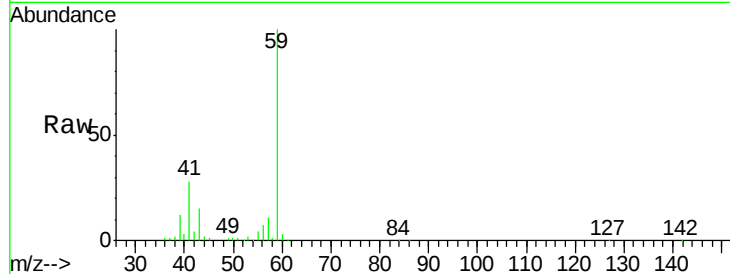
tert-Butyl Alcohol
Concen: 512.470 ug/l
RT: 4.77 min Scan# 933
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

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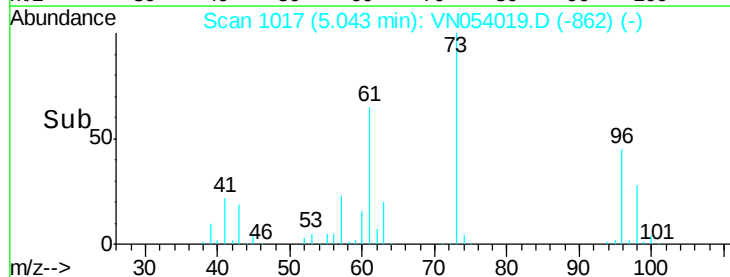
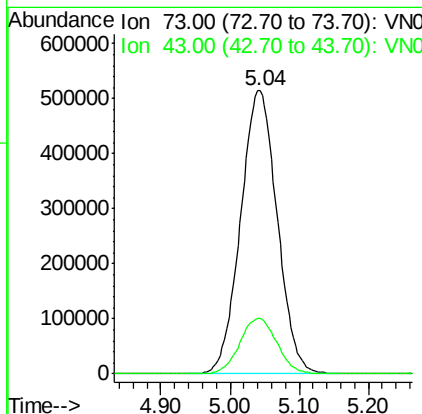
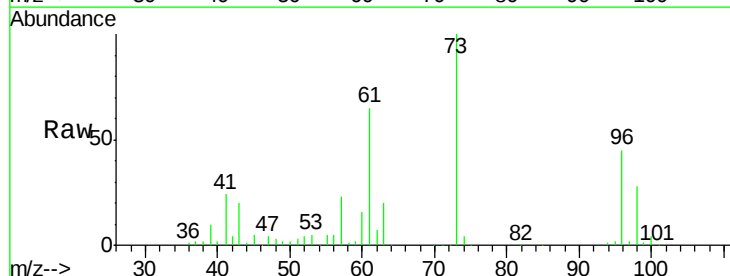
MMDadoda
3/6/2019 10:23:23 AM

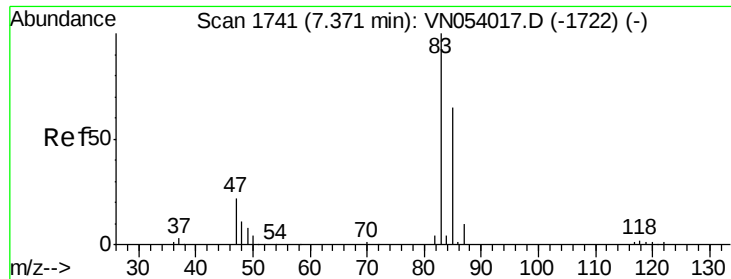


#24

Methyl tert-Butyl Ether
Concen: 103.999 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
73	100		
43	19.8	15.8	23.8





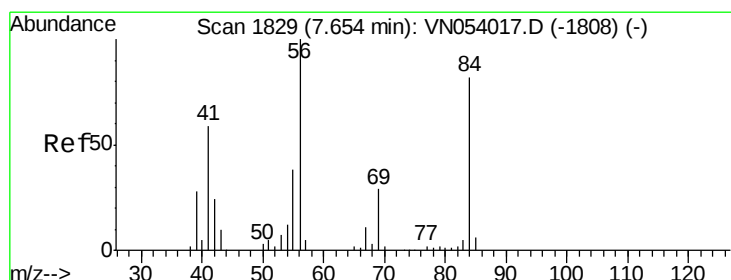
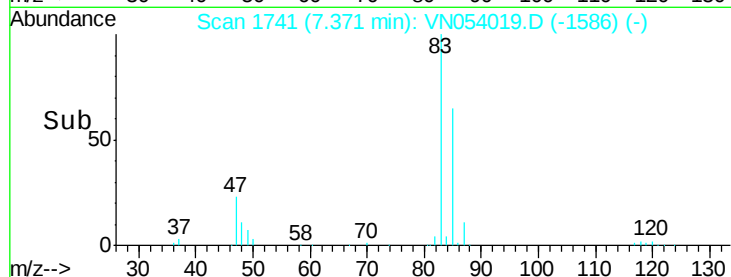
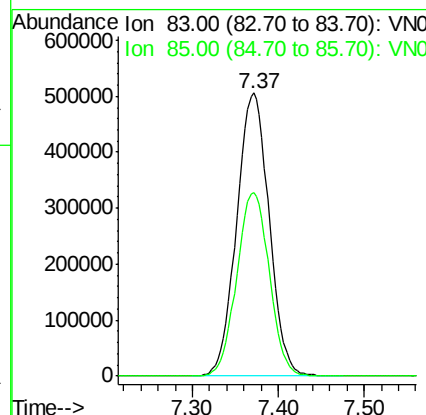
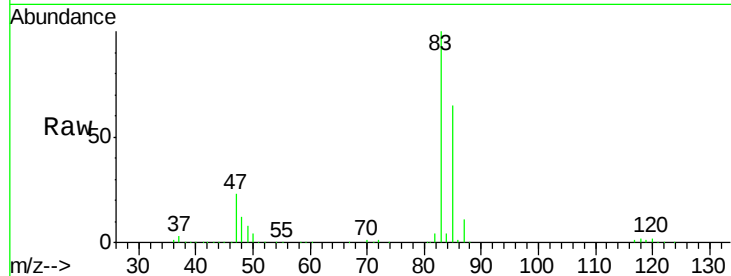
#25
Chloroform
Concen: 96.469 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1327210
Ion Ratio Lower Upper
83 100
85 64.9 51.7 77.5

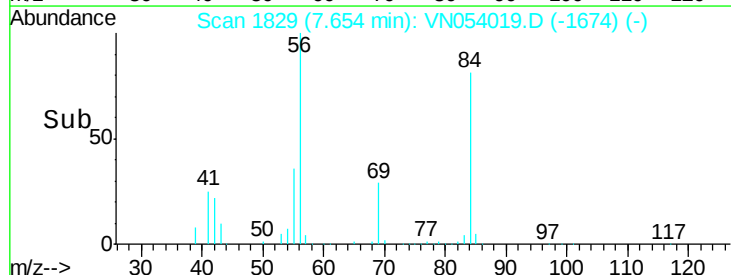
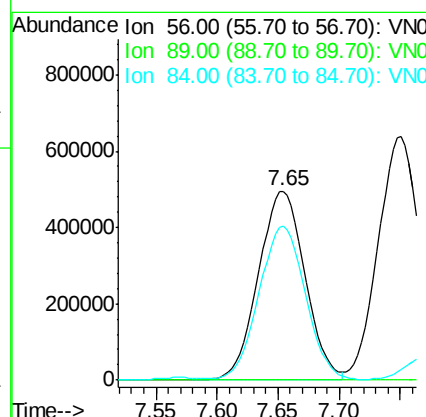
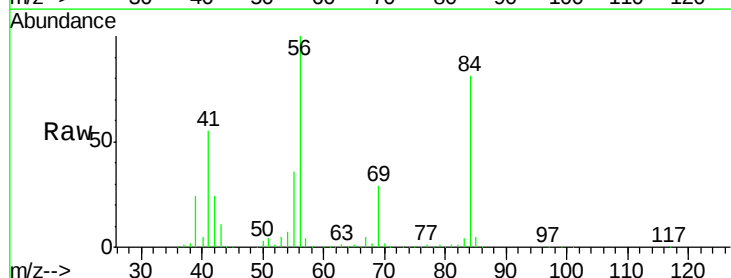
Manual Integrations
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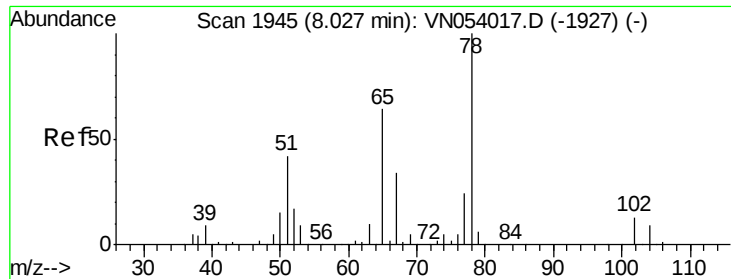
MMDadoda
3/6/2019 10:23:23 AM



#26
Cyclohexane
Concen: 102.937 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 56 Resp: 1315101
Ion Ratio Lower Upper
56 100
89 0.0 0.5 0.7#
84 81.5 66.2 99.2





#27

1,2-Dichloroethane-d4

Concen: 102.937 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 257338

Ion Ratio Lower Upper

65 100

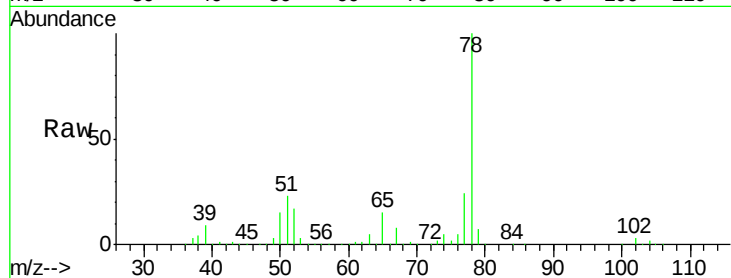
67 55.4 44.6 66.8

Manual Integrations

APPROVED

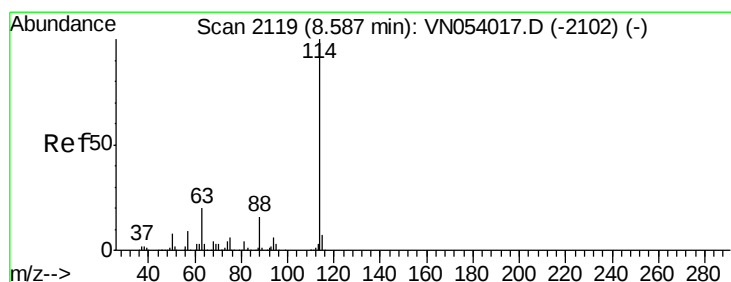
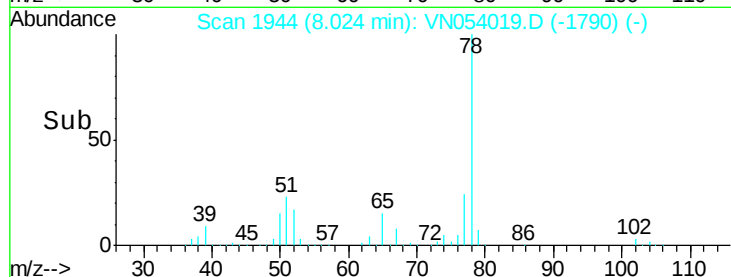
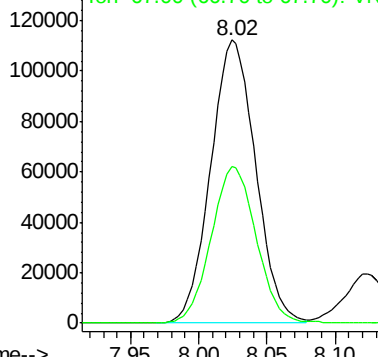
MMDadoda

3/6/2019 10:23:23 AM



Abundance Ion 65.00 (64.70 to 65.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

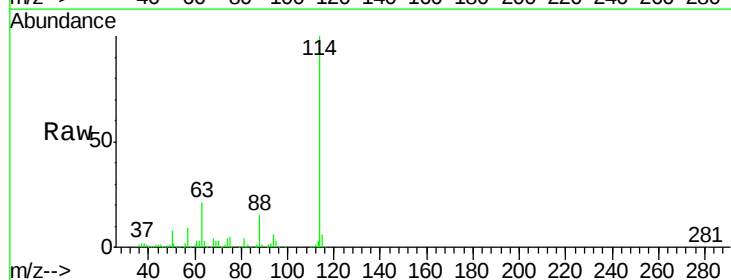
Tgt Ion: 114 Resp: 681552

Ion Ratio Lower Upper

114 100

63 20.6 16.9 25.3

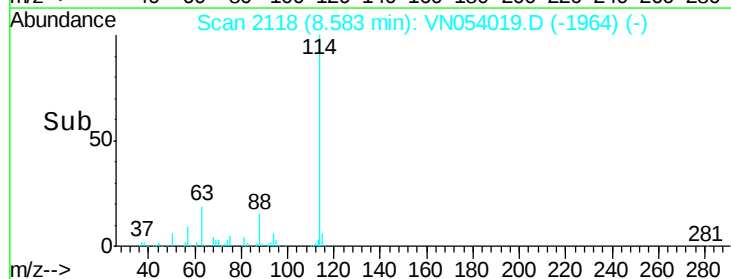
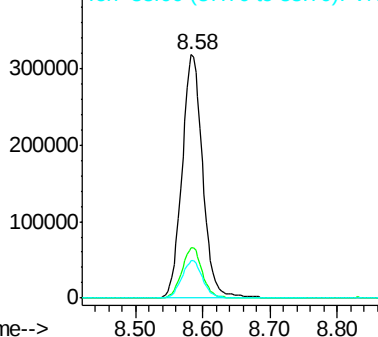
88 15.6 12.8 19.2

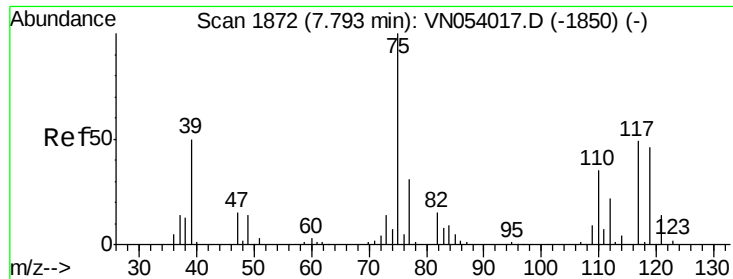


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 88.00 (87.70 to 88.70): VN0





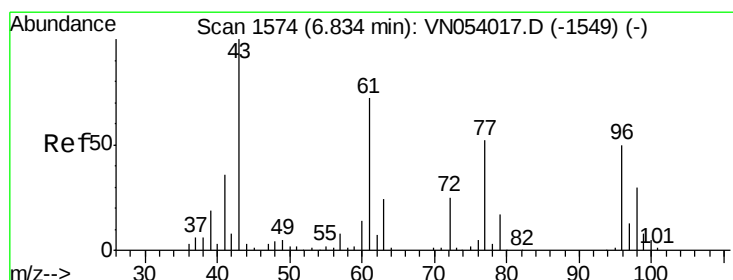
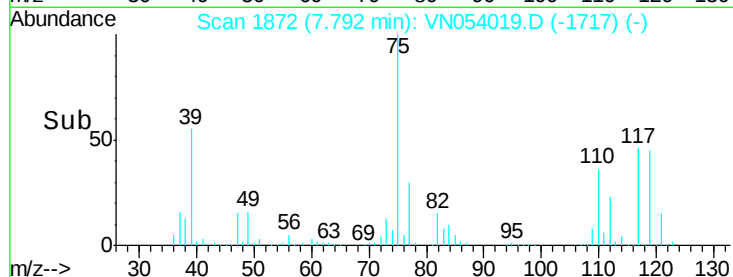
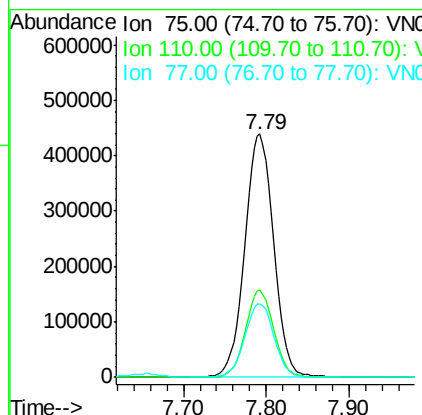
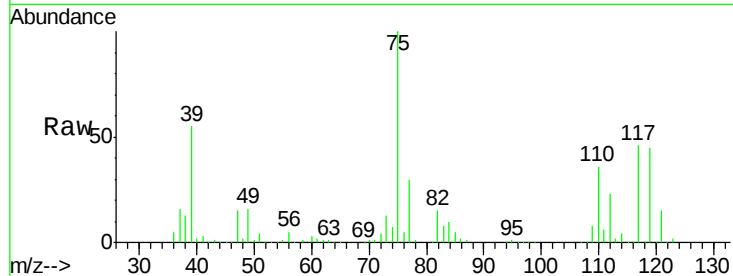
#29
 1,1-Dichloropropene
 Concen: 100.308 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 75 Resp: 1065908
 Ion Ratio Lower Upper
 75 100
 110 34.9 0.0 70.2
 77 30.7 0.0 62.6

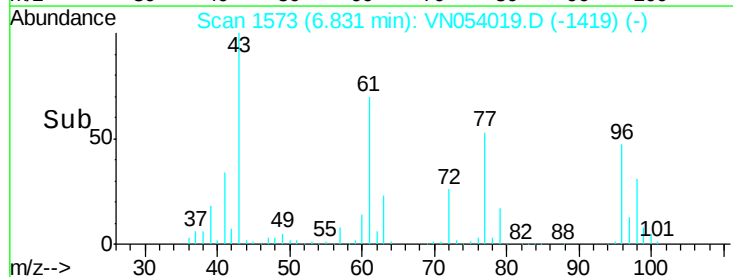
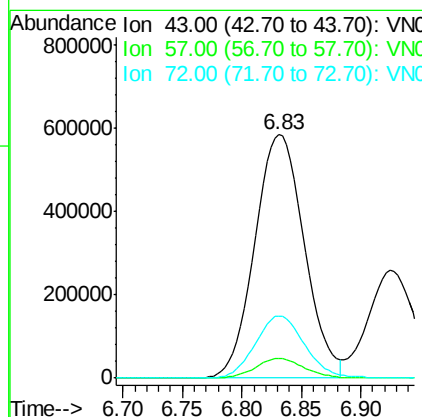
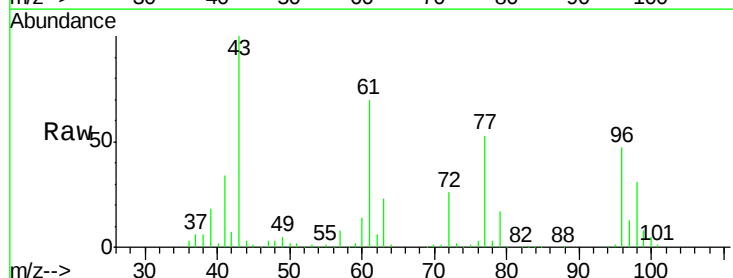
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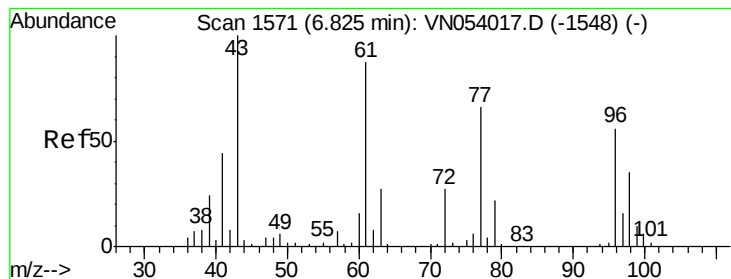
MMDadoda
 3/6/2019 10:23:23 AM



#30
 2-Butanone
 Concen: 499.744 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 1682448
 Ion Ratio Lower Upper
 43 100
 57 7.9 6.2 9.4
 72 25.5 21.0 31.6





#31

2,2-Dichloropropane

Concen: 97.738 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 77 Resp: 1030788

Ion Ratio Lower Upper

77 100

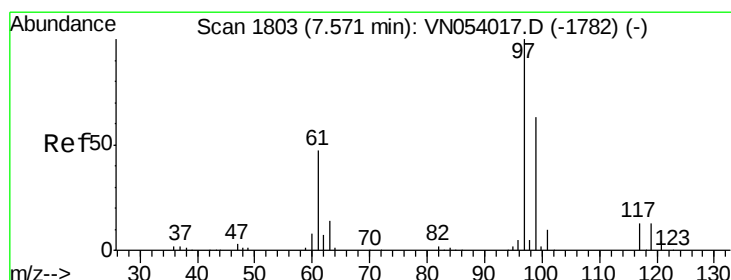
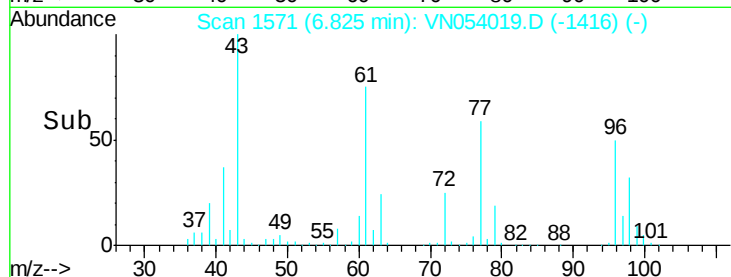
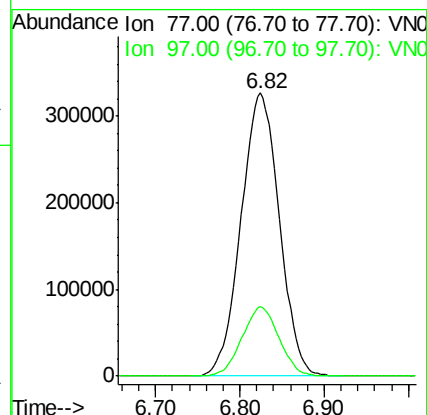
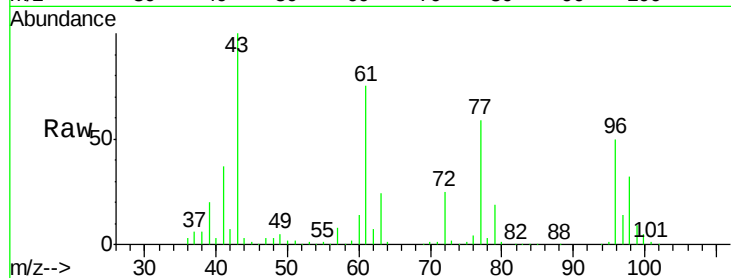
97 23.7 18.7 28.1

Manual Integrations

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MMDadoda

3/6/2019 10:23:23 AM



#32

1,1,1-Trichloroethane

Concen: 97.643 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

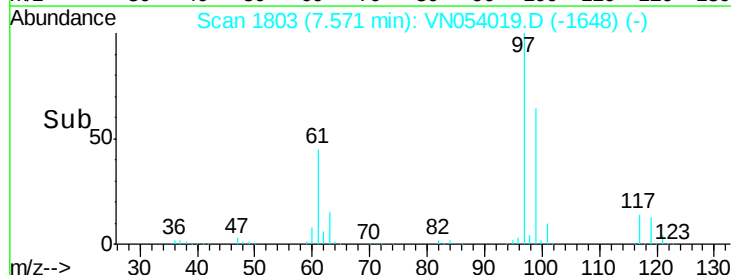
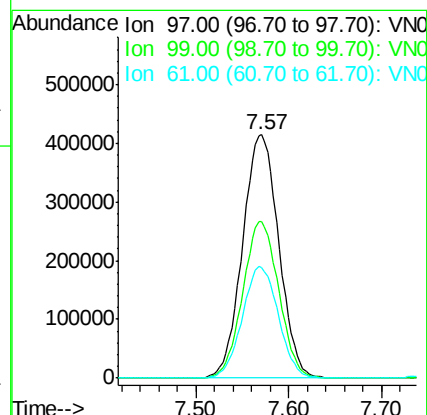
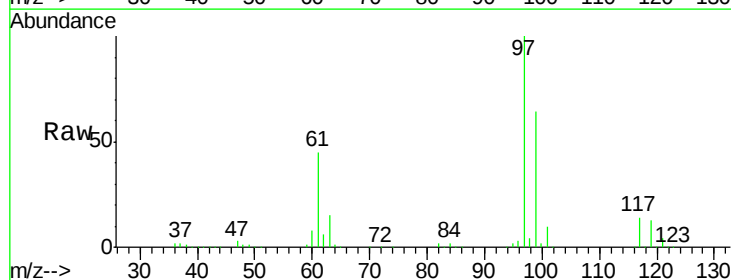
Tgt Ion: 97 Resp: 1123273

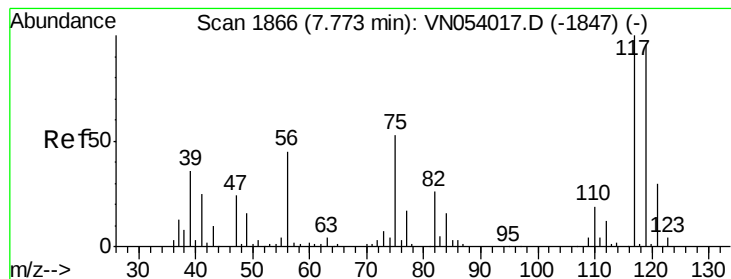
Ion Ratio Lower Upper

97 100

99 64.1 50.9 76.3

61 45.7 38.1 57.1





#33

Carbon Tetrachloride

Concen: 97.402 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 117 Resp: 990287

Ion Ratio Lower Upper

117 100

119 96.5 77.3 115.9

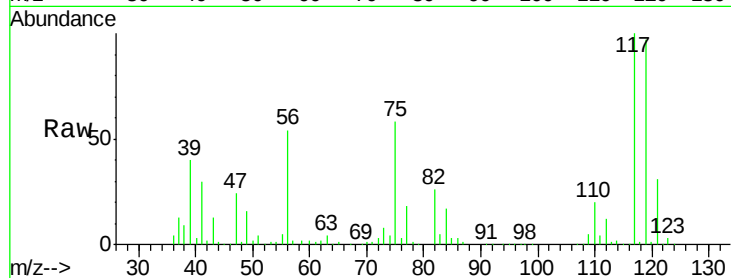
121 30.6 24.9 37.3

Manual Integrations

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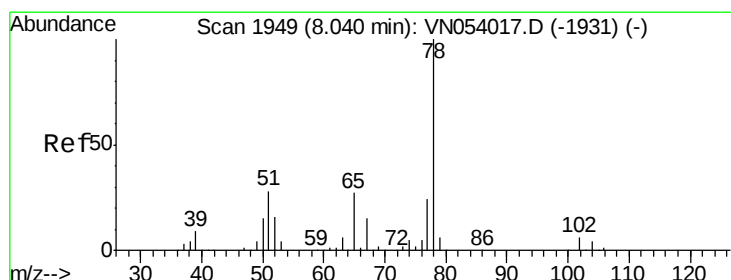
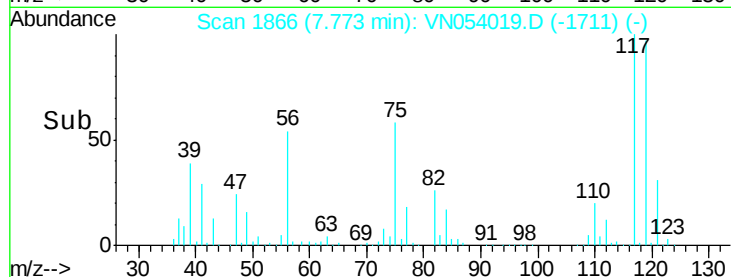
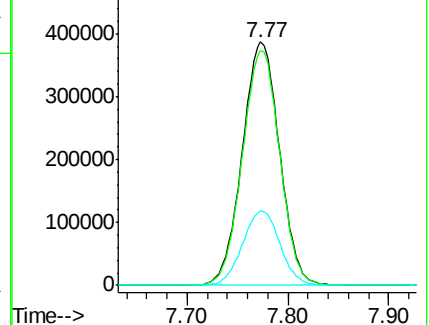
3/6/2019 10:23:23 AM



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: 99.205 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

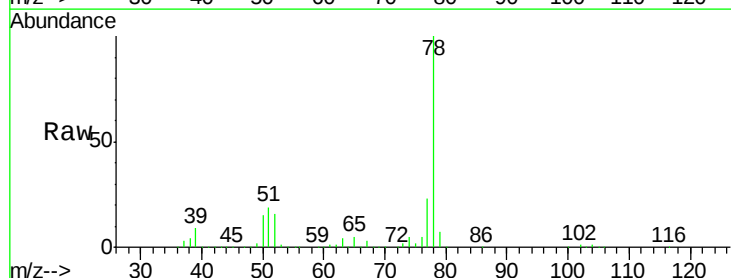
Tgt Ion: 78 Resp: 3147461

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.6

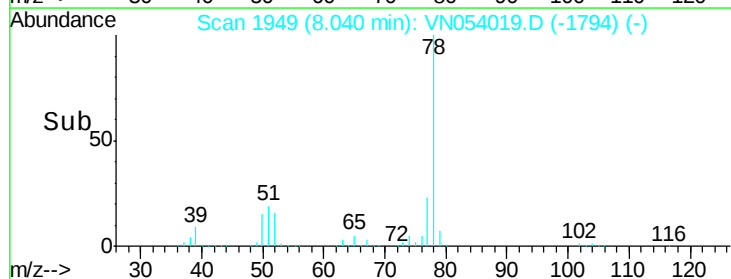
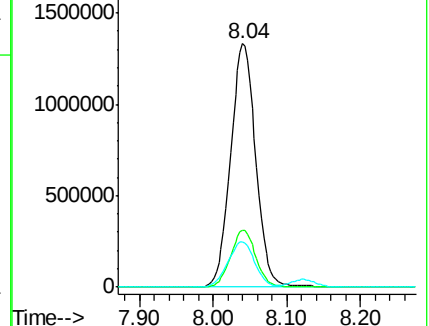
51 18.7 20.5 30.7#

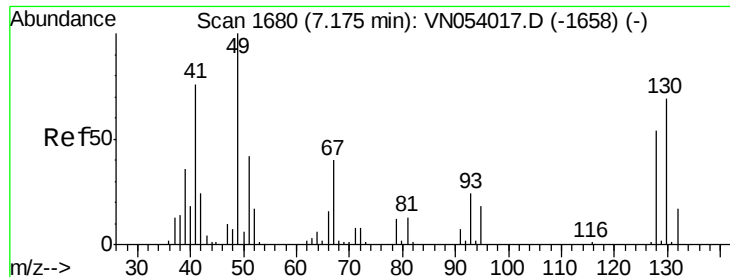


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V





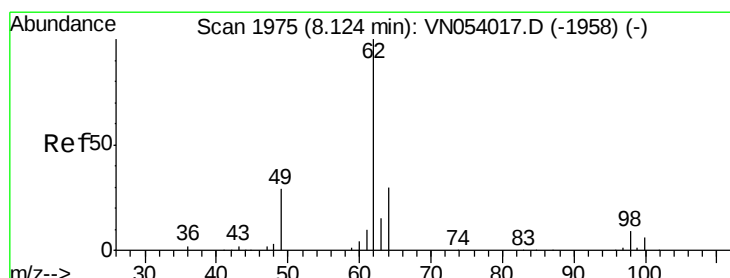
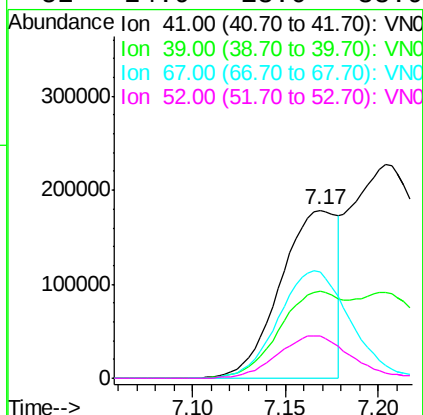
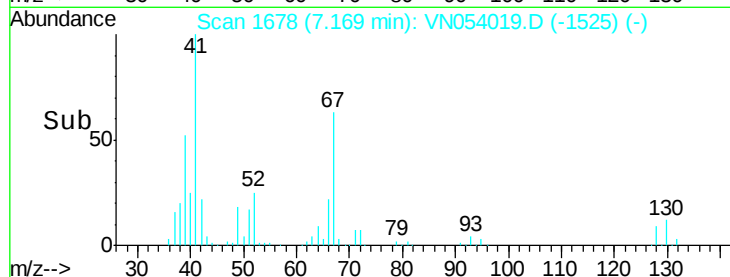
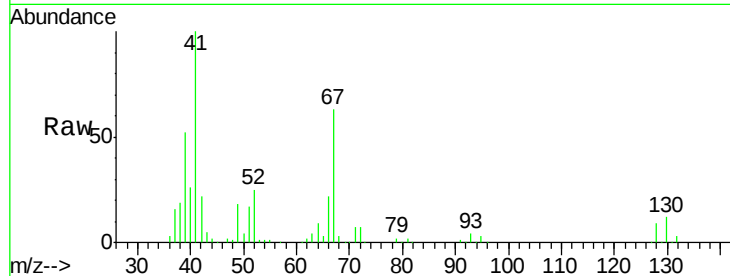
#35
Methacrylonitrile
Concen: 100.759 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.5	26.6	79.7	
67	63.3	32.3	96.9	
52	24.9	13.0	38.9	

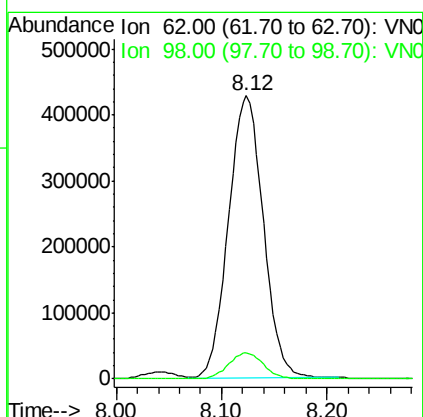
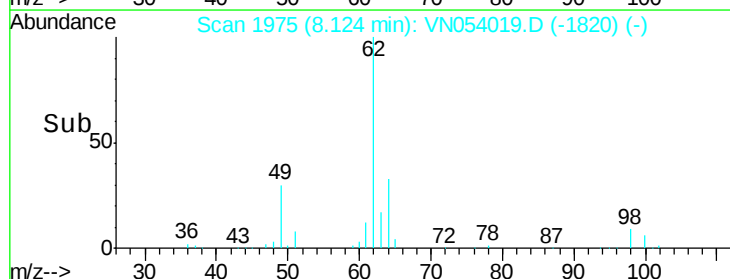
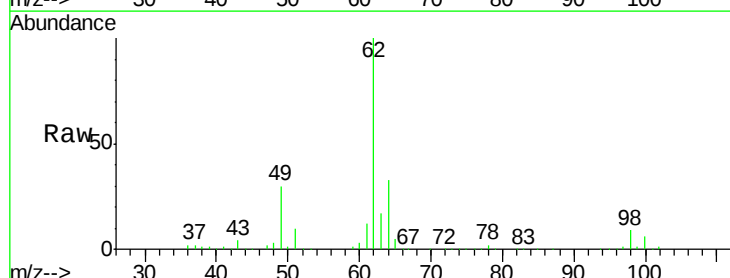
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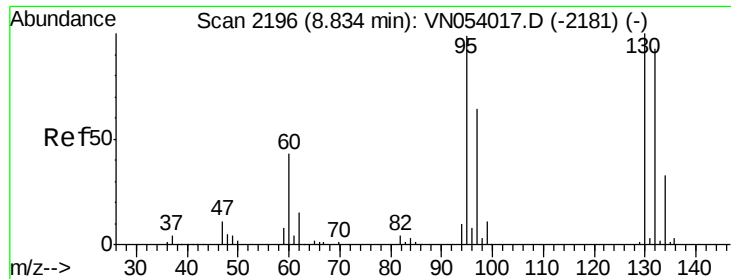
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3/6/2019 10:23:23 AM



#36
1,2-Dichloroethane
Concen: 95.408 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.2	7.4	11.2	





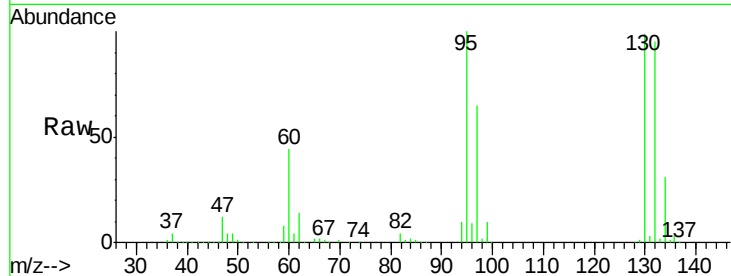
#37
 Trichloroethene
 Concen: 96.975 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

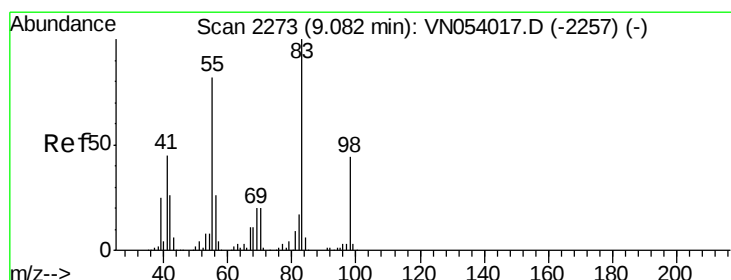
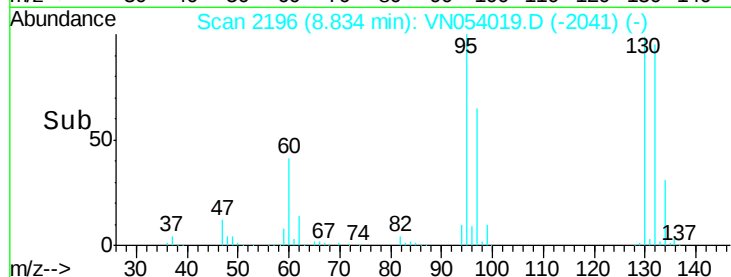
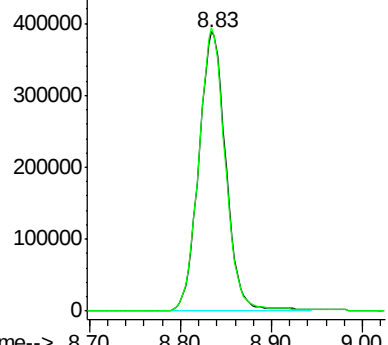
Tot Ion:130 Resp: 805512
 Ion Ratio Lower Upper
 130 100
 95 101.3 81.0 121.4

Manual Integrations
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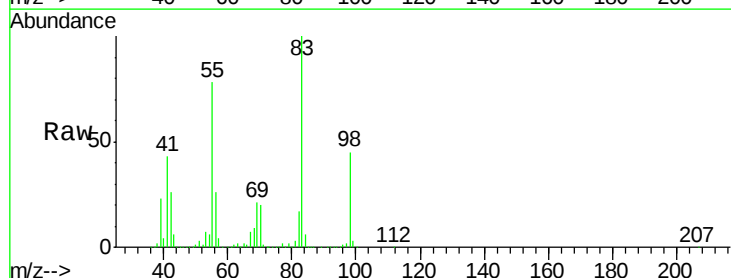


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

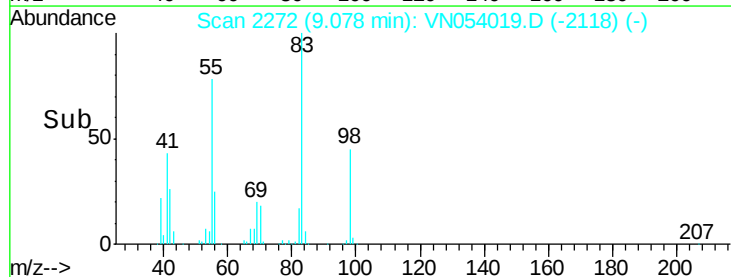
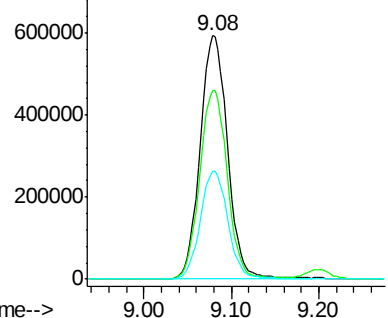


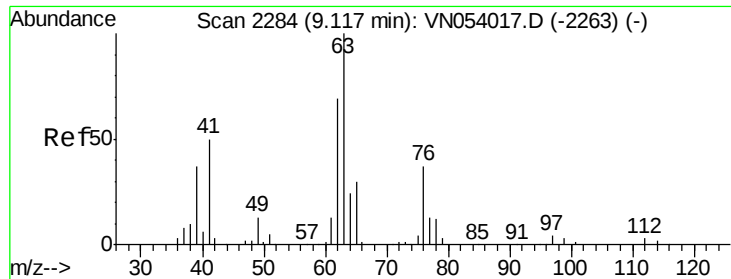
#38
 Methylcyclohexane
 Concen: 104.352 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 83 Resp: 1295440
 Ion Ratio Lower Upper
 83 100
 55 77.7 39.8 119.4
 98 44.6 22.9 68.5



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





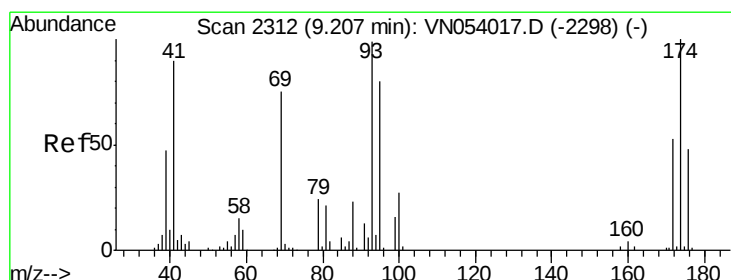
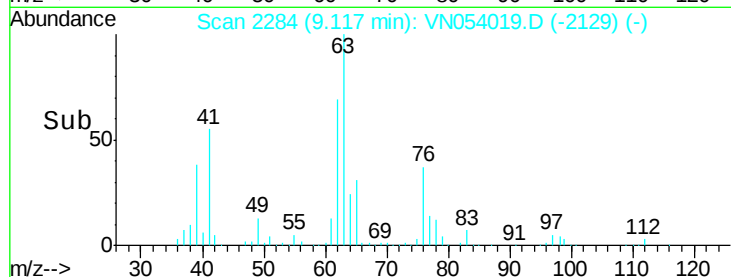
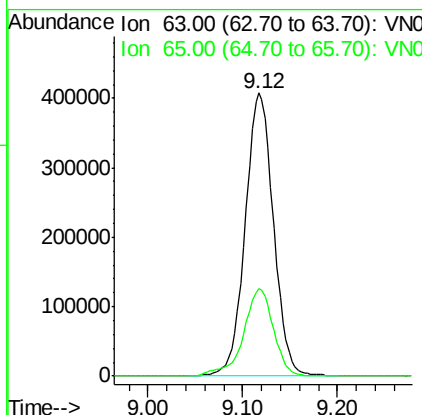
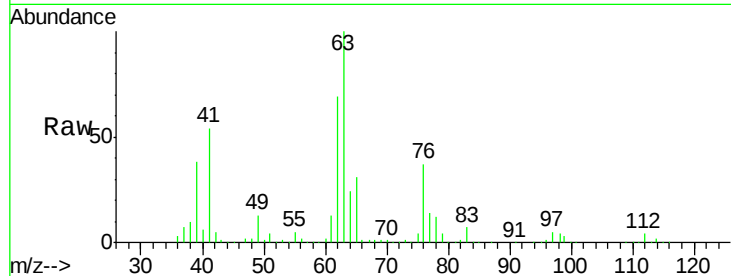
#39
 1,2-Dichloropropane
 Concen: 97.444 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 63 Resp: 846492
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

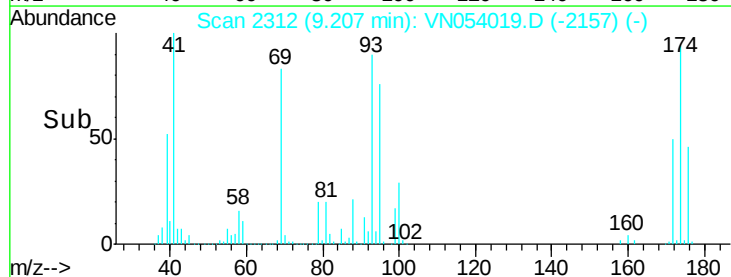
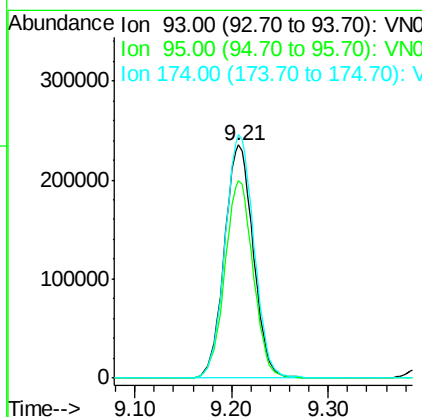
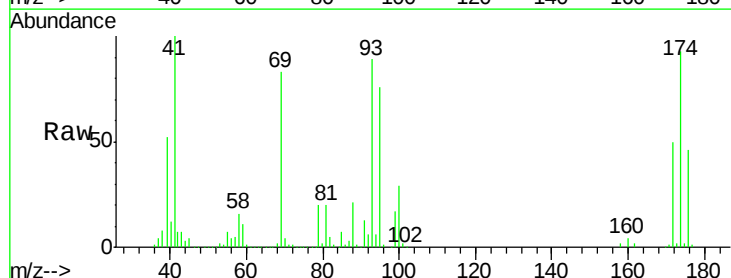
Manual Integrations
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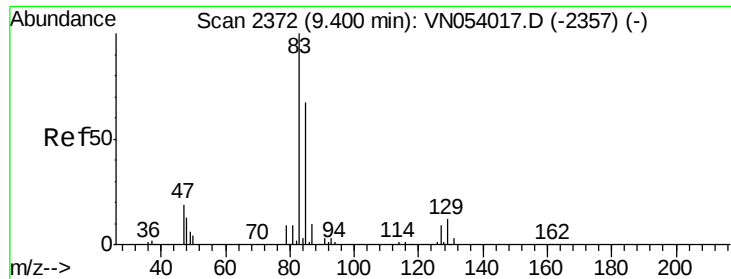
MMDadoda
 3/6/2019 10:23:23 AM



#40
 Dibromomethane
 Concen: 97.300 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion: 93 Resp: 487259
 Ion Ratio Lower Upper
 93 100
 95 83.2 0.0 168.4
 174 104.5 0.0 210.0





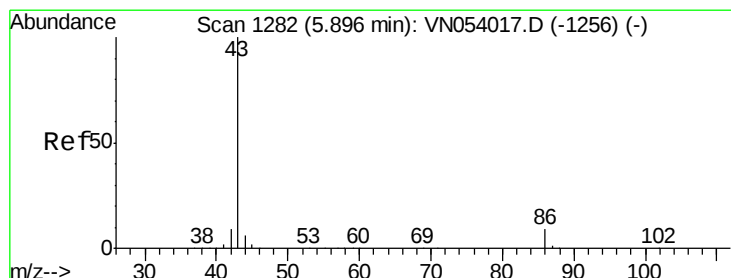
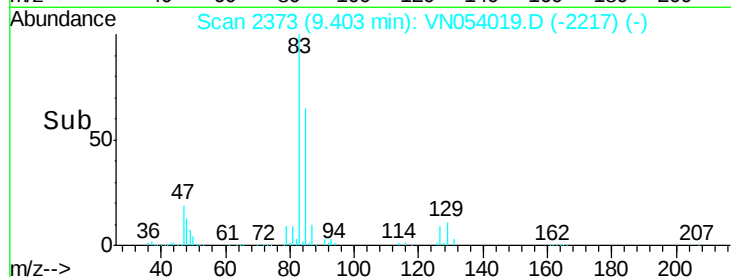
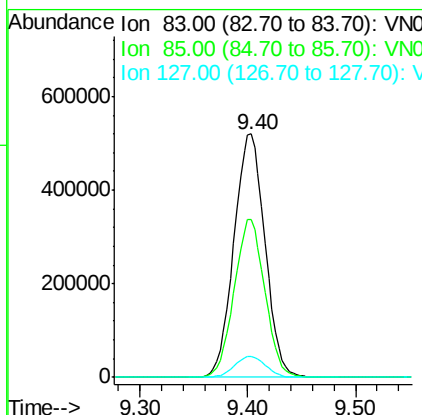
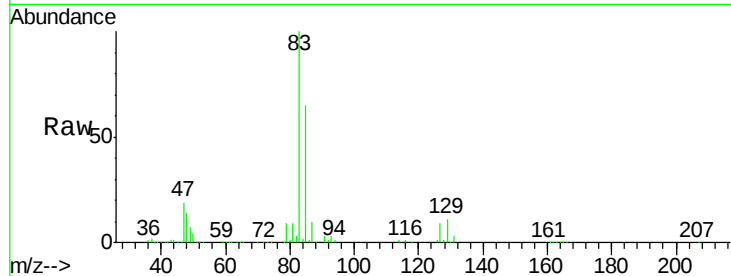
#41
Bromodichloromethane
Concen: 98.031 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1036405
Ion Ratio Lower Upper
83 100
85 64.6 52.4 78.6
127 8.5 6.6 9.8

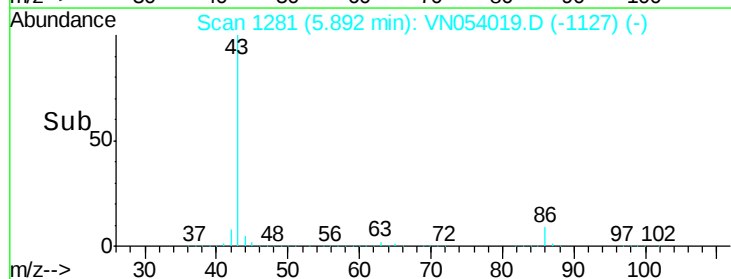
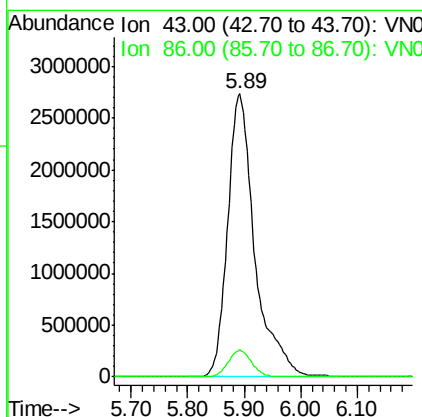
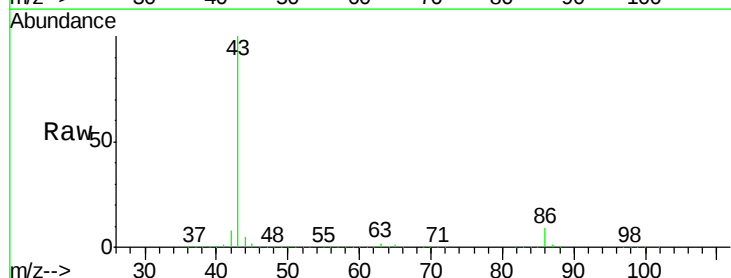
Manual Integrations
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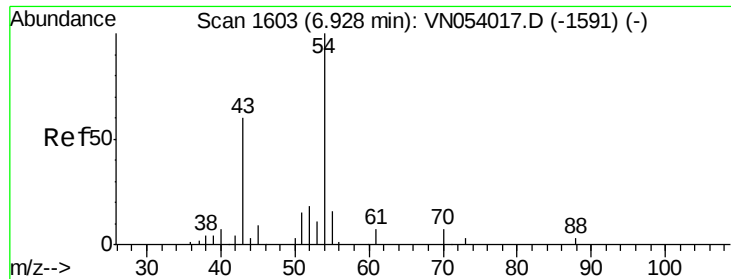
MMDadoda
3/6/2019 10:23:23 AM



#42
Vinyl Acetate
Concen: 534.914 ug/l
RT: 5.89 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 9137373
Ion Ratio Lower Upper
43 100
86 8.3 6.5 9.7





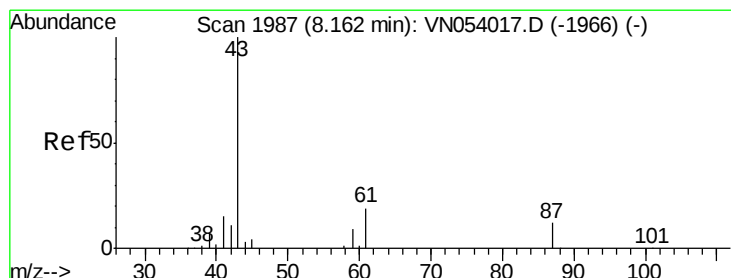
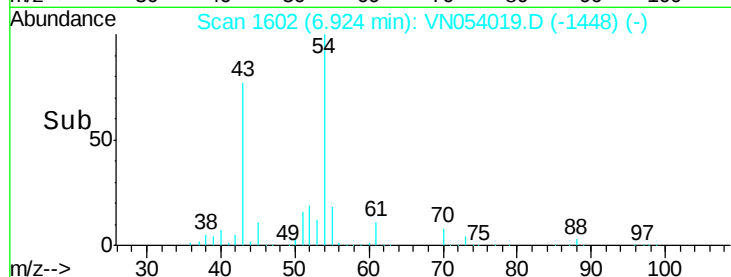
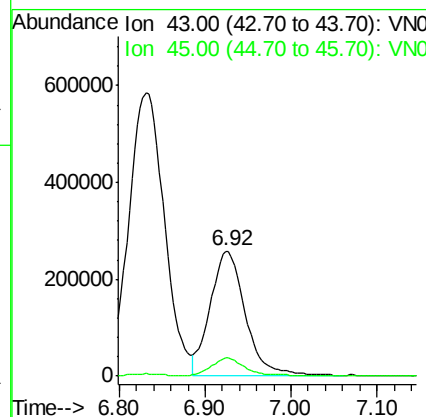
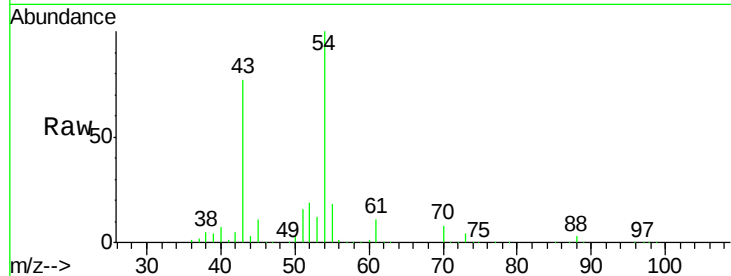
#43
Ethyl Acetate
Concen: 104.294 ug/l
RT: 6.92 min Scan# 1602
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 727586
Ion Ratio Lower Upper
43 100
45 14.4 1.0 1.6#

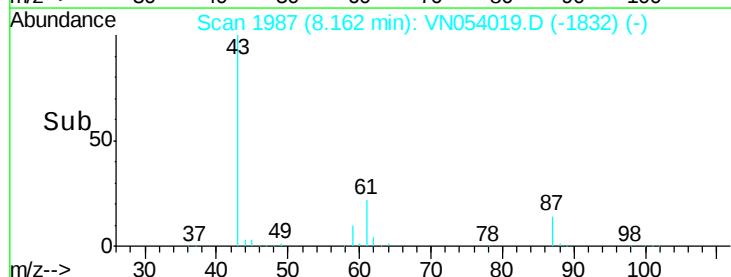
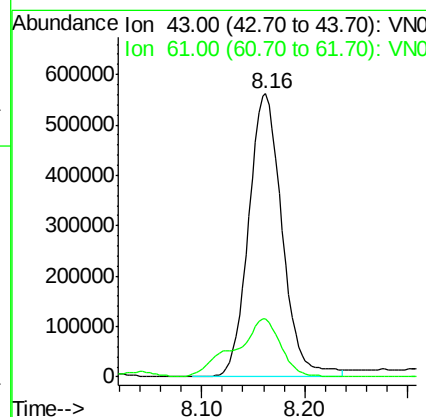
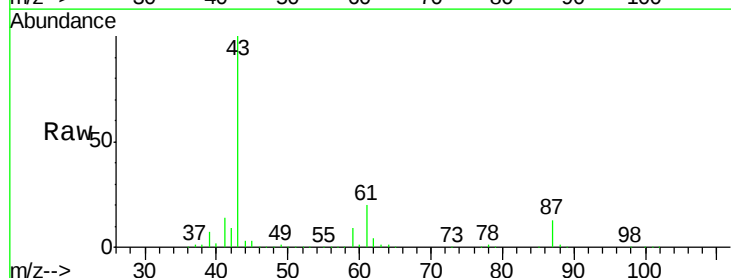
Manual Integrations
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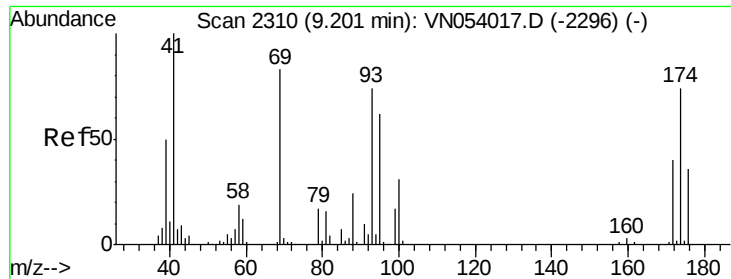
MMDadoda
3/6/2019 10:23:23 AM



#44
Isopropyl Acetate
Concen: 103.749 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 43 Resp: 1268489
Ion Ratio Lower Upper
43 100
61 18.9 16.0 24.0





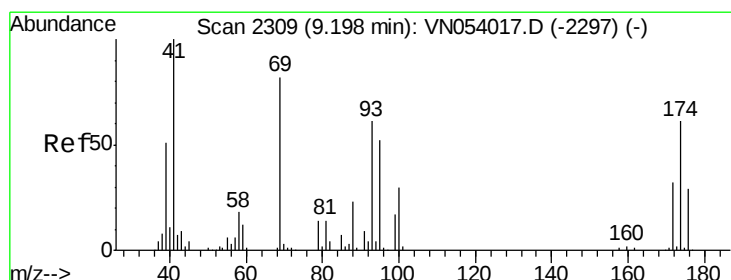
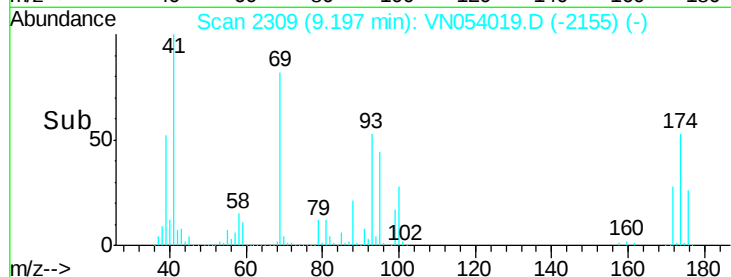
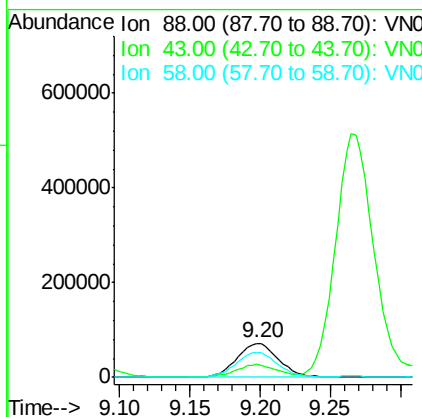
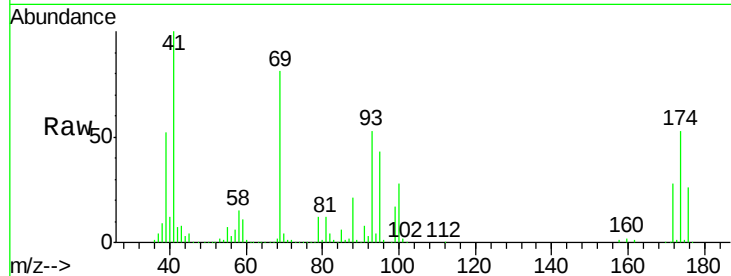
#45
 1,4-Dioxane
 Concen: 2305.655 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	29.5	44.3
58	73.5	61.5	92.3

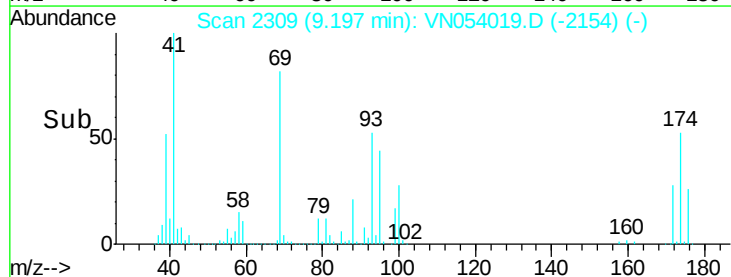
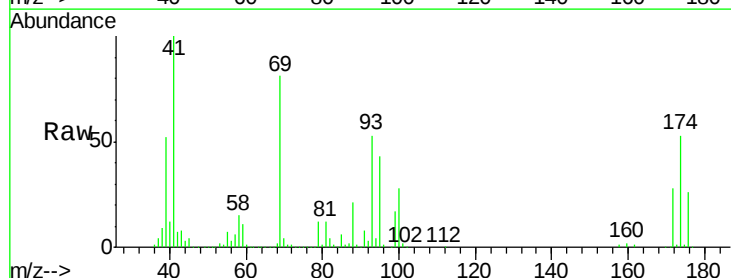
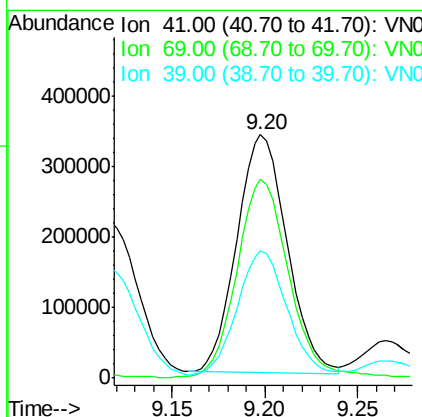
Manual Integrations
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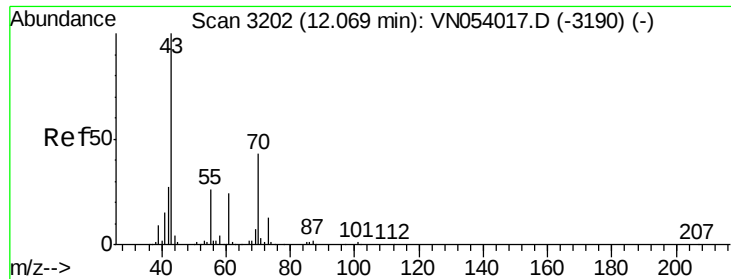
MMDadoda
 3/6/2019 10:23:23 AM



#46
 Methyl methacrylate
 Concen: 109.773 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.9	42.5	127.6
39	52.1	26.3	78.9





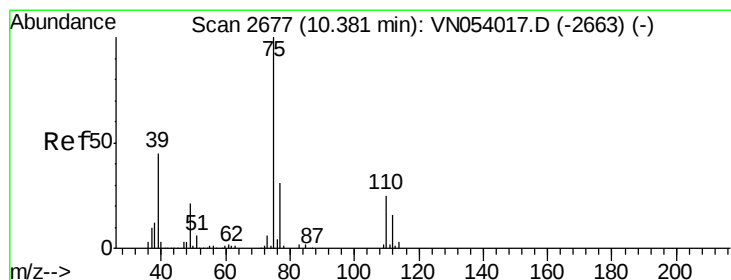
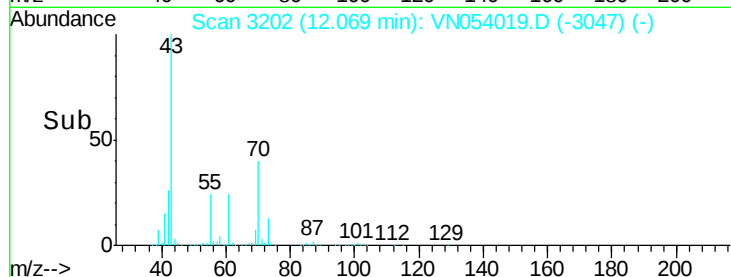
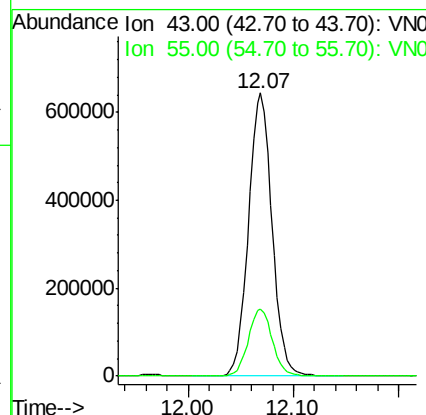
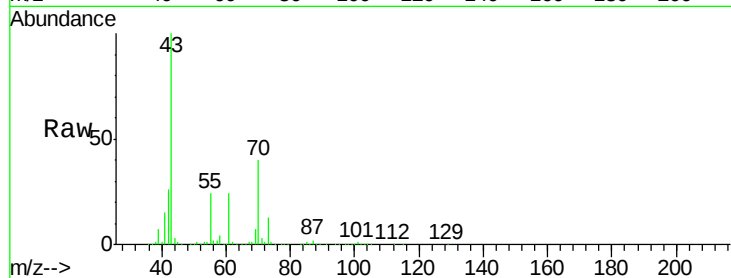
#47
n-amvl Acetate
Concen: 114.802 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 994148
Ion Ratio Lower Upper
43 100
55 24.3 21.1 31.7

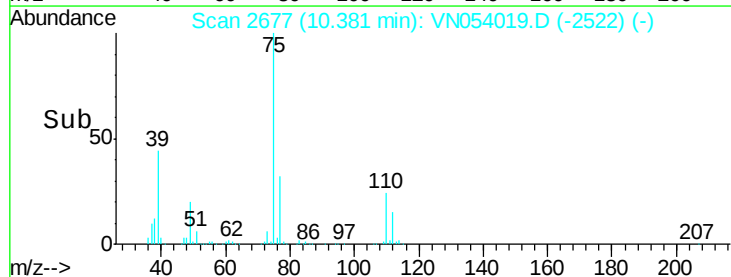
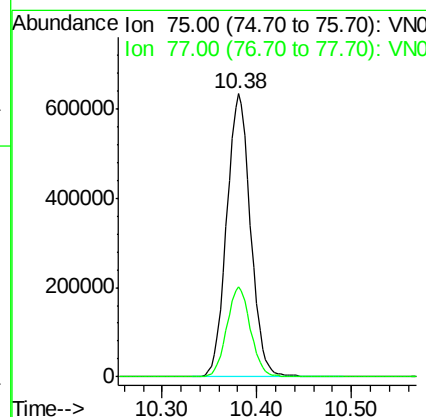
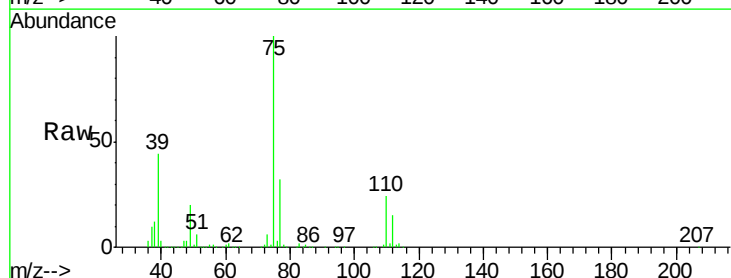
Manual Integrations
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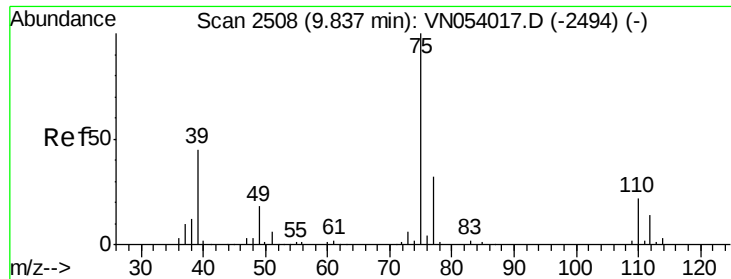
MMDadoda
3/6/2019 10:23:23 AM



#48
t-1,3-Dichloropropene
Concen: 107.044 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 75 Resp: 1109465
Ion Ratio Lower Upper
75 100
77 31.9 25.6 38.4





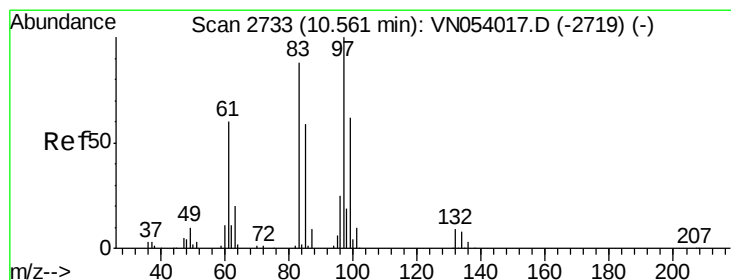
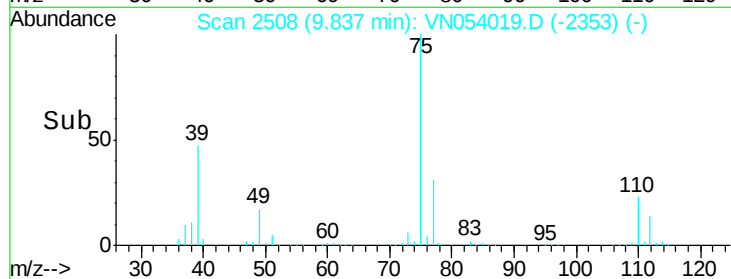
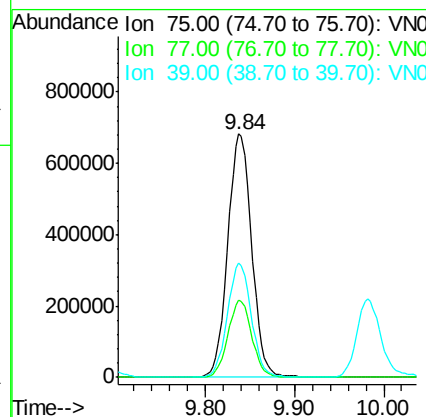
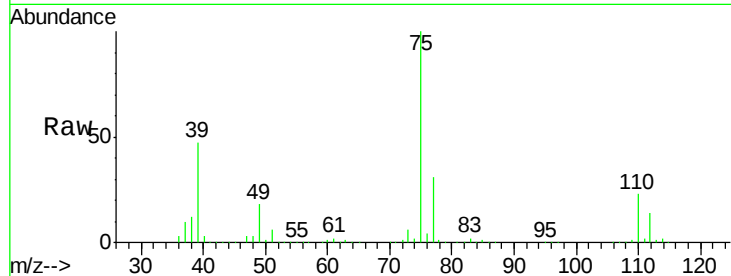
#49
 cis-1,3-Dichloropropene
 Concen: 103.172 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	47.0	37.3	55.9

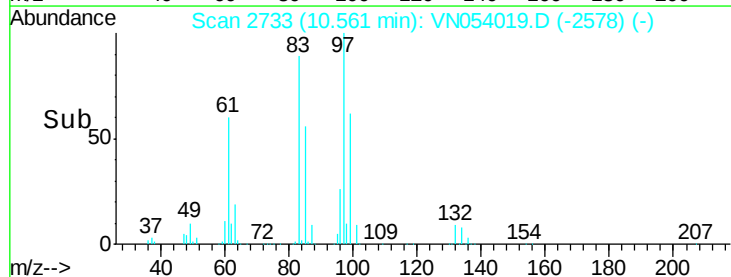
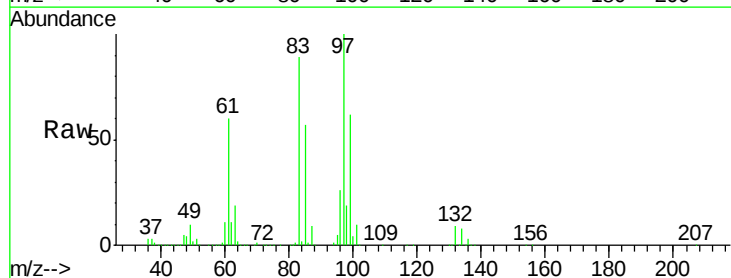
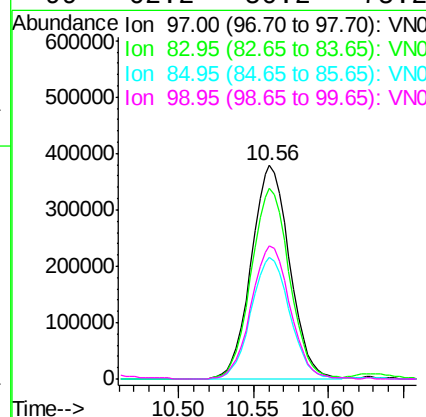
Manual Integrations
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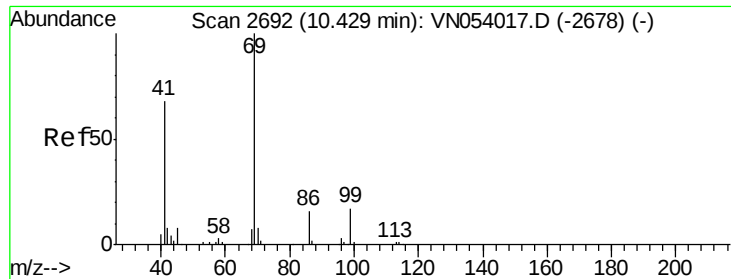
MMDadoda
 3/6/2019 10:23:23 AM



#50
 1,1,2-Trichloroethane
 Concen: 96.318 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.4	70.4	105.6
85	57.1	45.0	67.6
99	62.2	50.2	75.2





#51

Ethyl methacrylate

Concen: 112.297 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

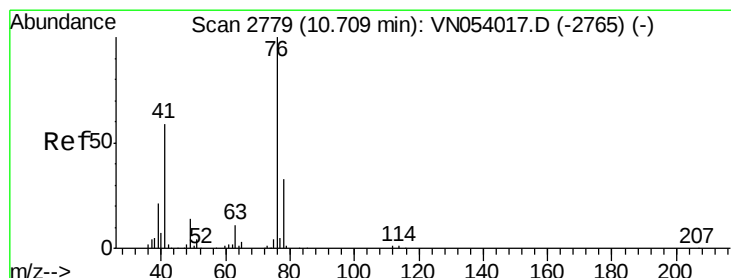
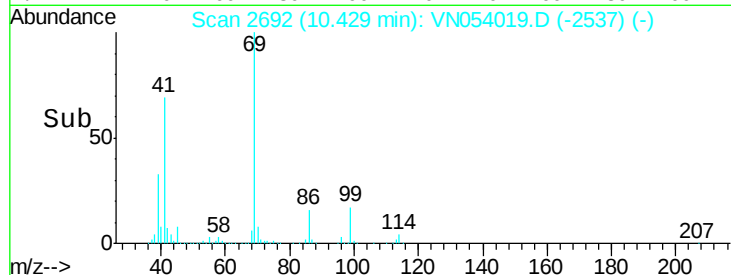
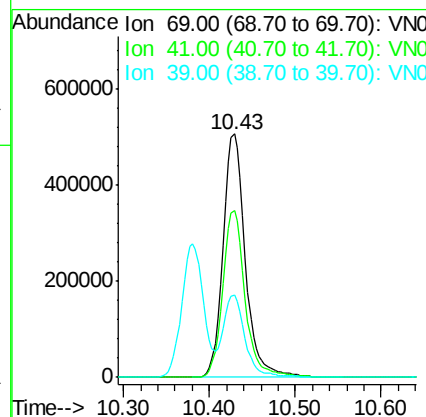
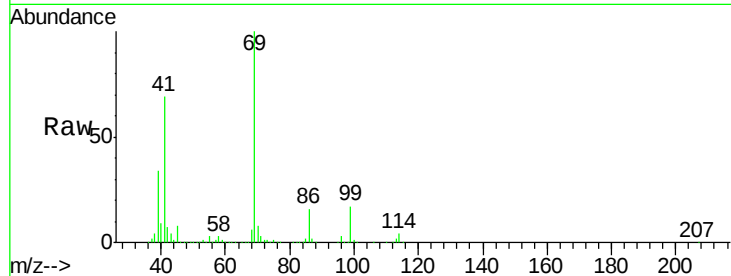
ClientSampleId :

VSTDIC100

Tot Ion:	69	Resp:	913496
Ion	Ratio	Lower	Upper
69	100		
41	68.6	34.4	103.3
39	33.4	16.4	49.2

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



#52

1,3-Dichloropropane

Concen: 100.259 ug/l

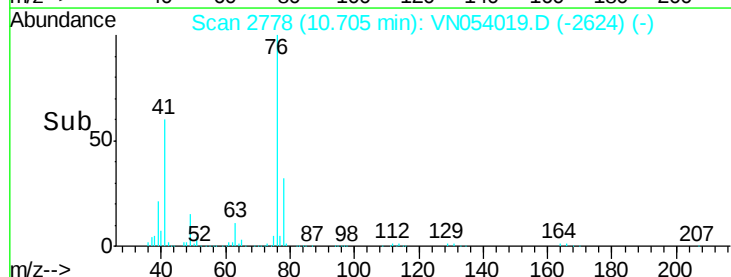
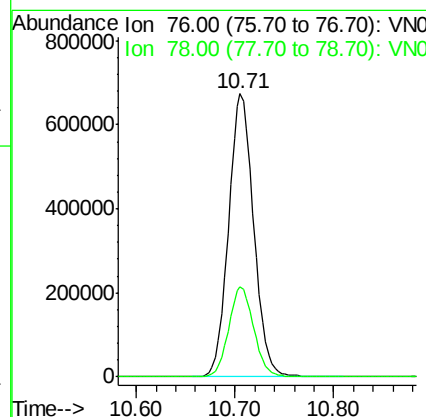
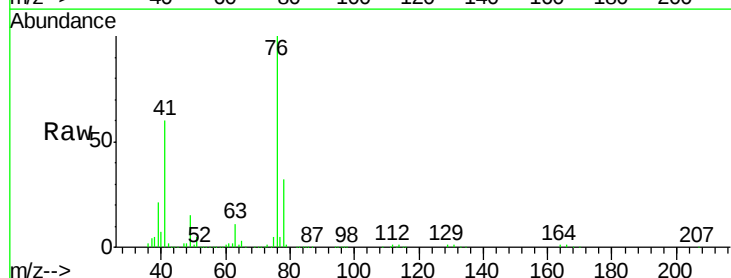
RT: 10.71 min Scan# 2778

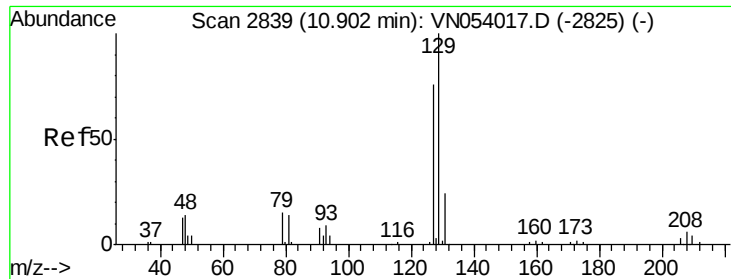
Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion:	76	Resp:	1201982
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8





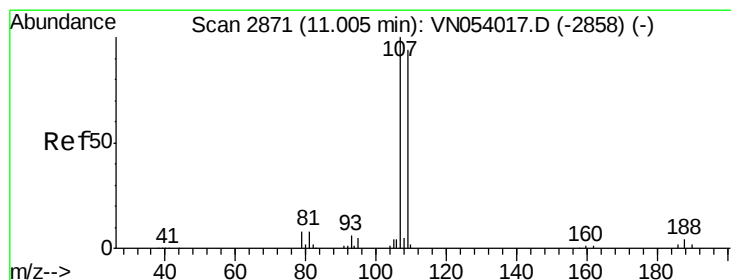
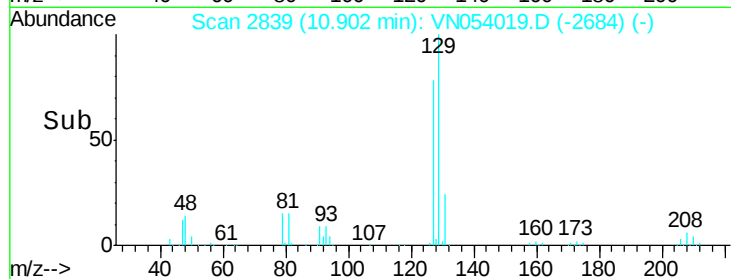
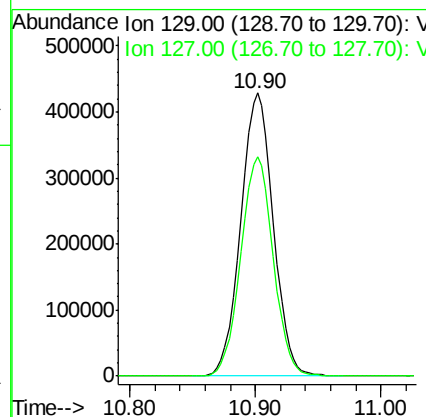
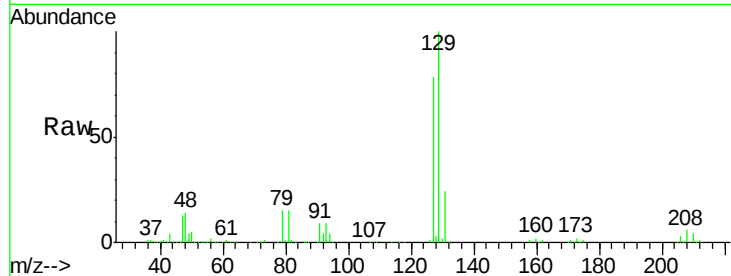
#53
 Dibromochloromethane
 Concen: 101.264 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	37.6	112.8

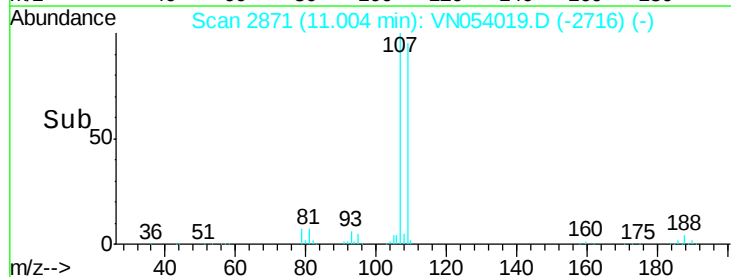
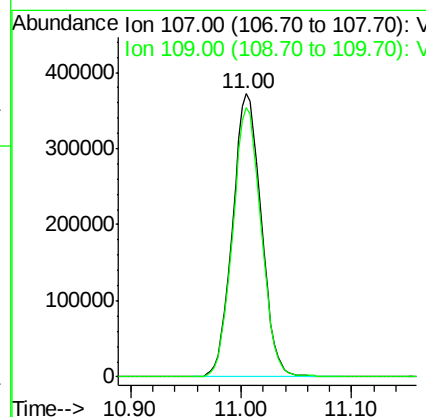
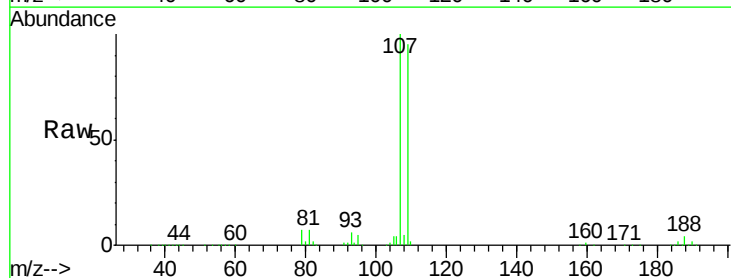
Manual Integrations
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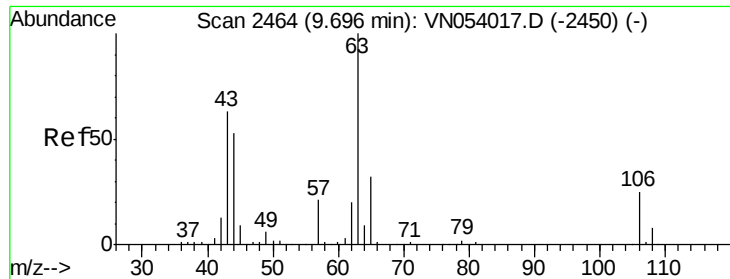
MMDadoda
 3/6/2019 10:23:23 AM



#54
 1,2-Dibromoethane
 Concen: 101.550 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.8	77.1	115.7





#55

2-Chloroethyl vinyl ether

Concen: 561.658 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 2106962

Ion Ratio Lower Upper

63 100

65 32.1 25.4 38.2

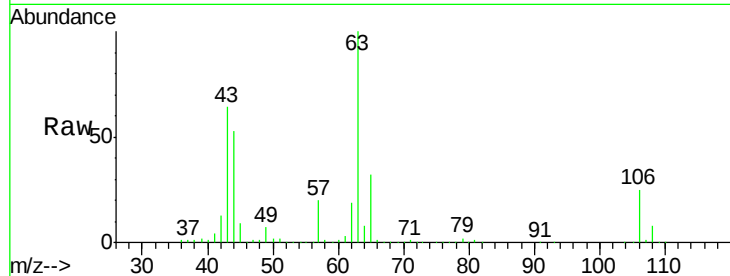
106 25.2 20.4 30.6

Manual Integrations

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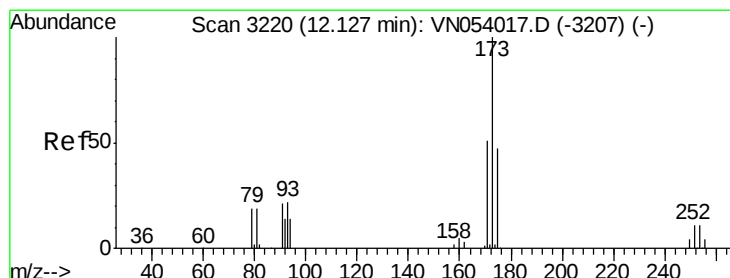
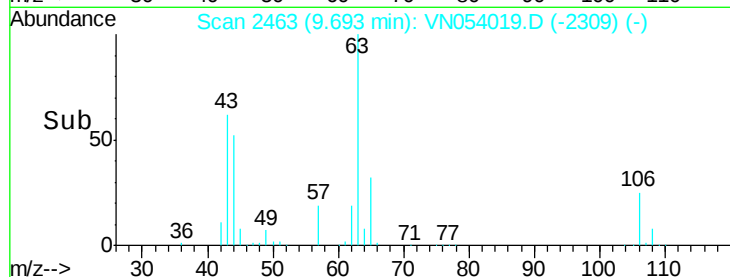
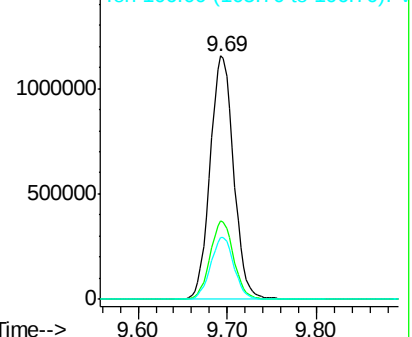


Abundance

Ion 63.00 (62.70 to 63.70): VN054017.D (-2450) (-)

Ion 65.00 (64.70 to 65.70): VN054017.D (-2450) (-)

Ion 106.00 (105.70 to 106.70): VN054017.D (-2450) (-)



#56

Bromoform

Concen: 105.299 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

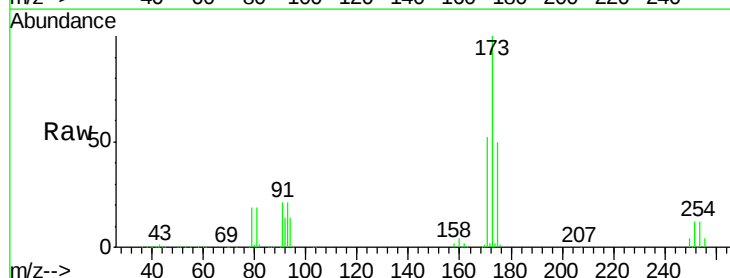
Tgt Ion: 173 Resp: 525335

Ion Ratio Lower Upper

173 100

175 49.2 38.7 58.1

254 11.5 8.4 12.6

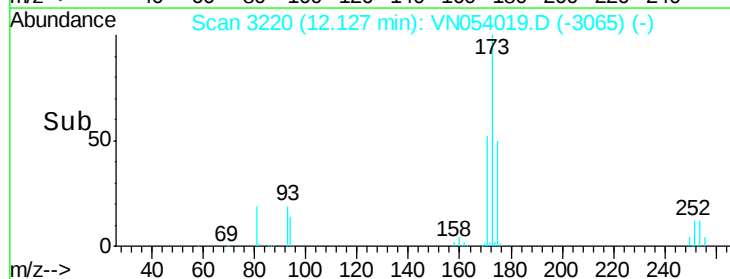
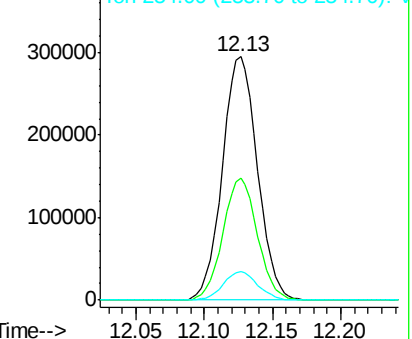


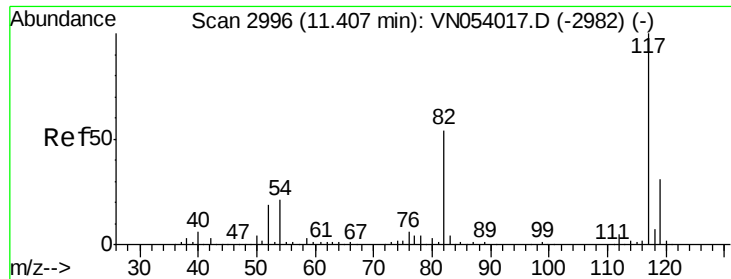
Abundance

Ion 173.00 (172.70 to 173.70): VN054017.D (-3207) (-)

Ion 175.00 (174.70 to 175.70): VN054017.D (-3207) (-)

Ion 254.00 (253.70 to 254.70): VN054017.D (-3207) (-)





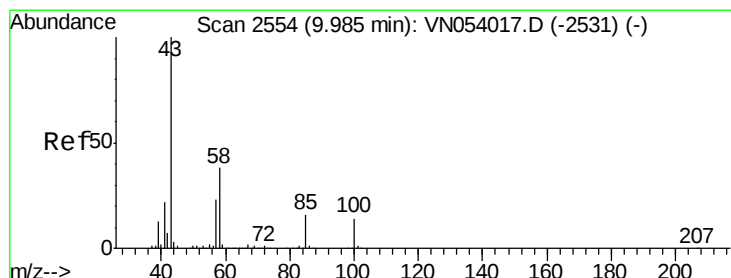
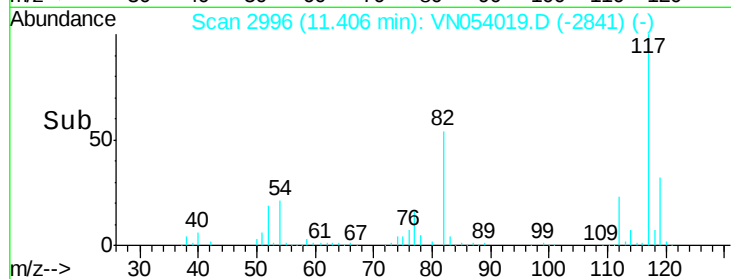
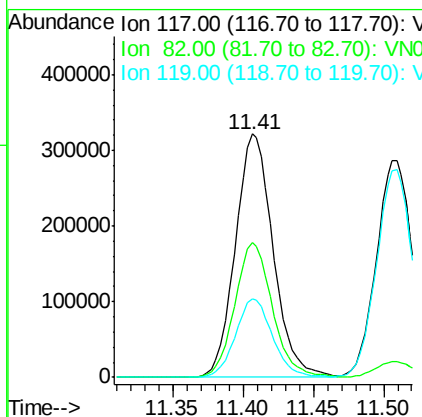
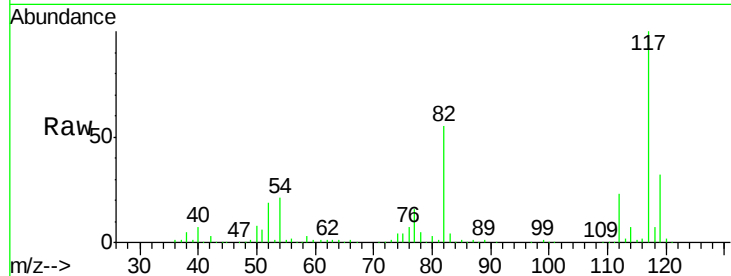
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.2	66.2
119	31.7	25.4	38.2

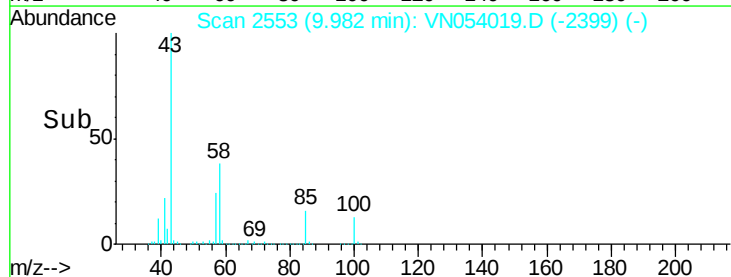
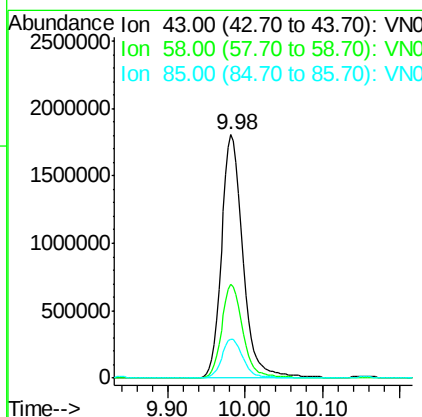
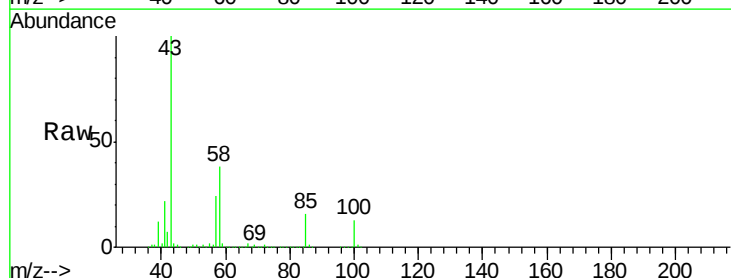
Manual Integrations
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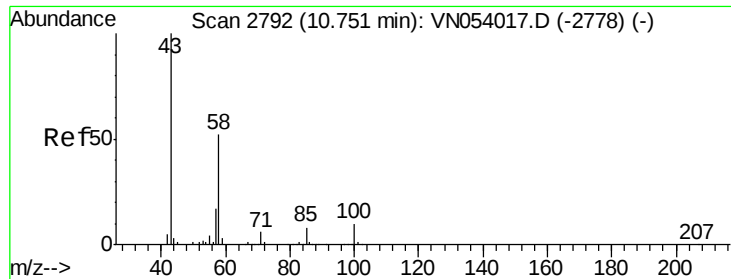
MMDadoda
3/6/2019 10:23:23 AM



#58
4-Methyl-2-Pentanone
Concen: 518.531 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.2	31.6	47.4
85	16.2	13.3	19.9





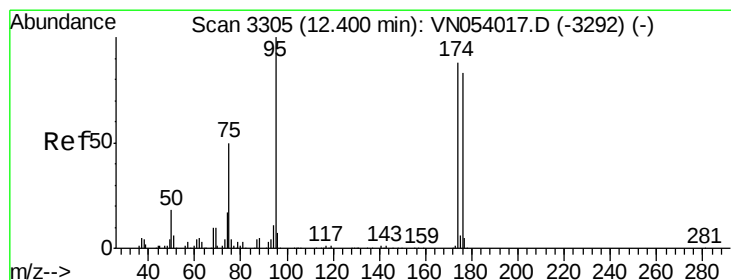
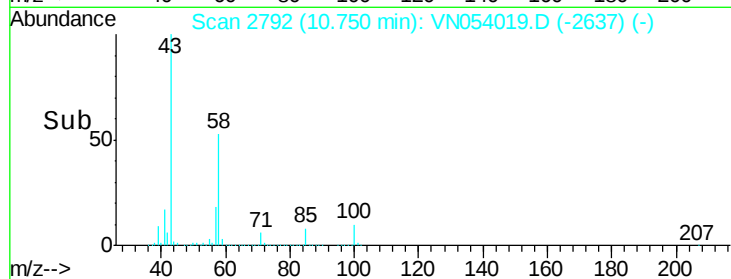
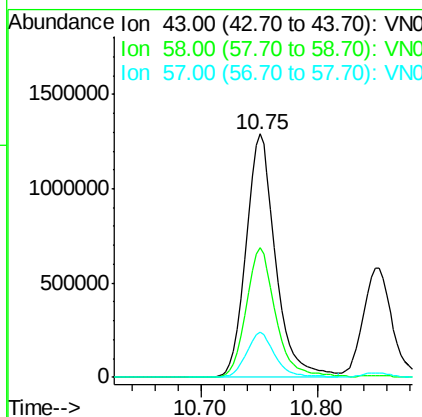
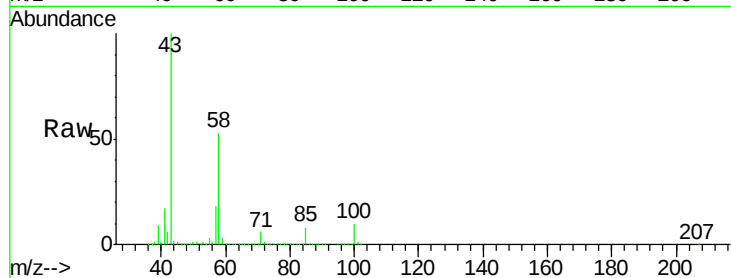
#59
2-Hexanone
Concen: 522.168 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.4	43.2	64.8
57	18.3	14.9	22.3

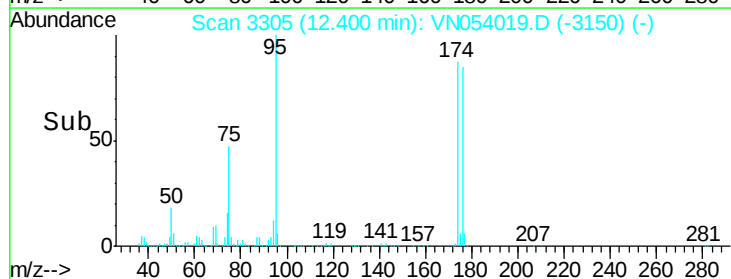
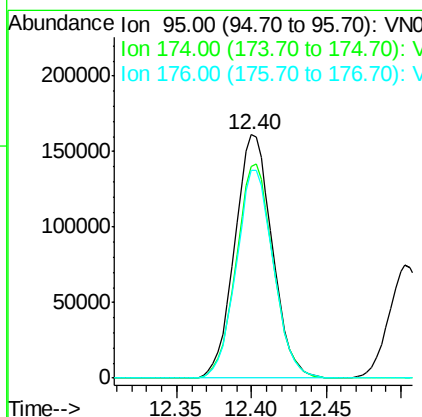
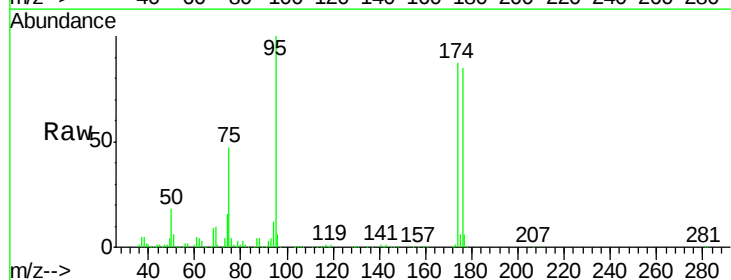
Manual Integrations
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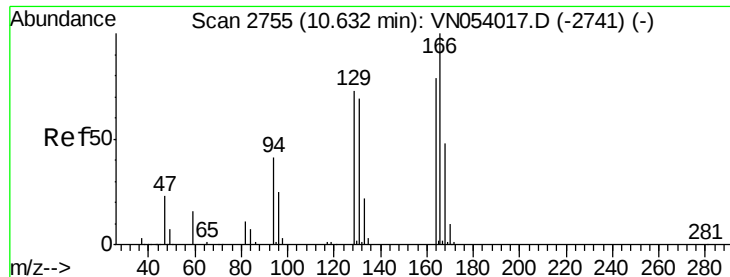
MMDadoda
3/6/2019 10:23:23 AM



#60
4-Bromofluorobenzene
Concen: 522.168 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	67.9	101.9
176	84.7	66.4	99.6





#61

Tetrachloroethene

Concen: 90.464 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:164 Resp: 776701

Ion Ratio Lower Upper

164 100

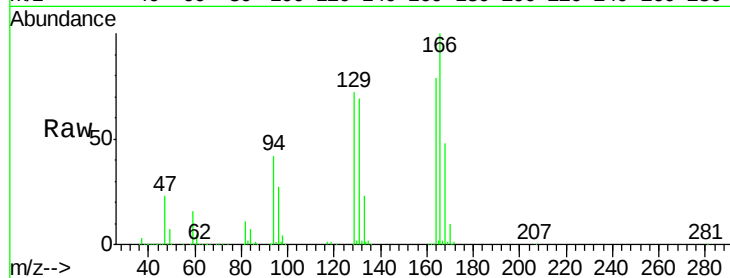
166 127.0 104.6 157.0

129 91.4 75.3 112.9

131 87.5 74.3 111.5

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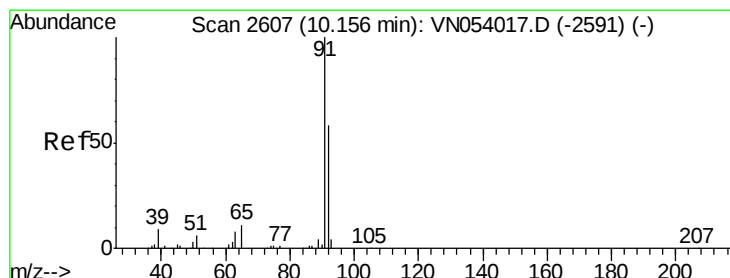
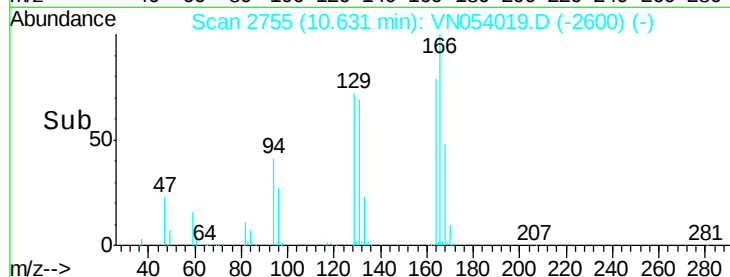
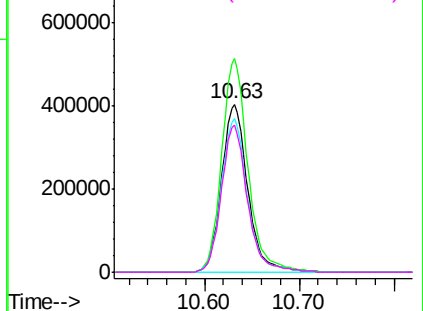


Abundance Ion 163.85 (163.55 to 164.55): V

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: 97.636 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN054019.D

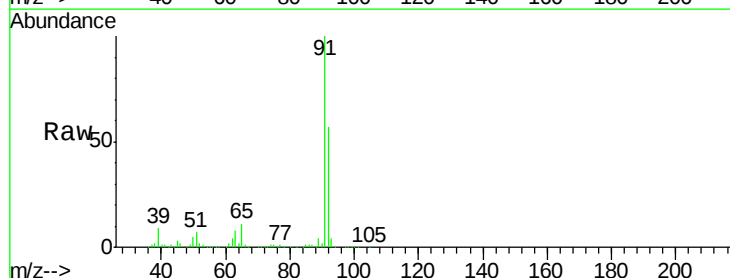
Acq: 1 Mar 2019 10:24

Tgt Ion: 91 Resp: 3308309

Ion Ratio Lower Upper

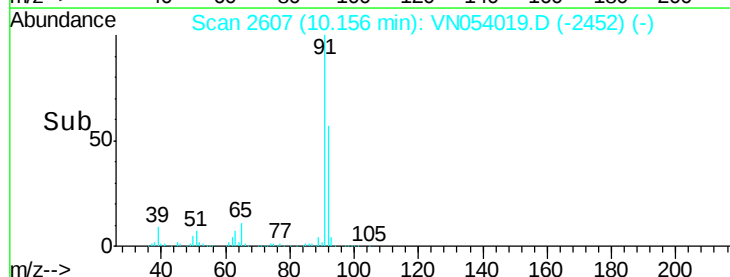
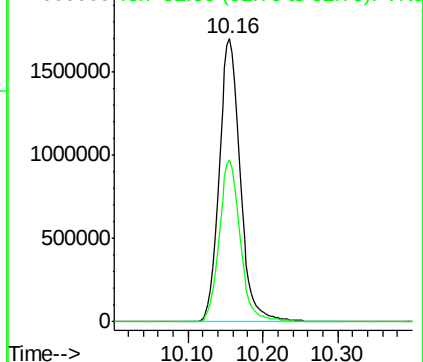
91 100

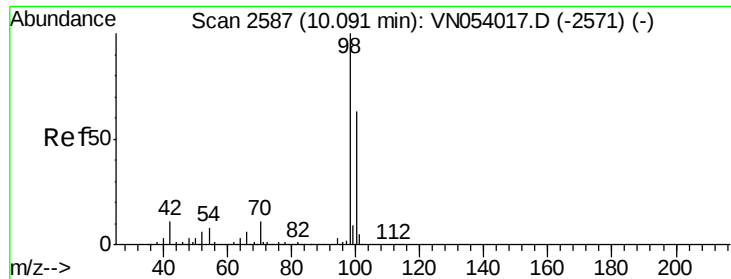
92 57.0 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 97.636 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 98 Resp: 855539

Ion Ratio Lower Upper

98 100

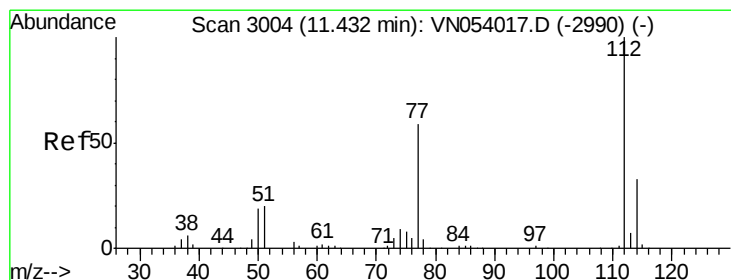
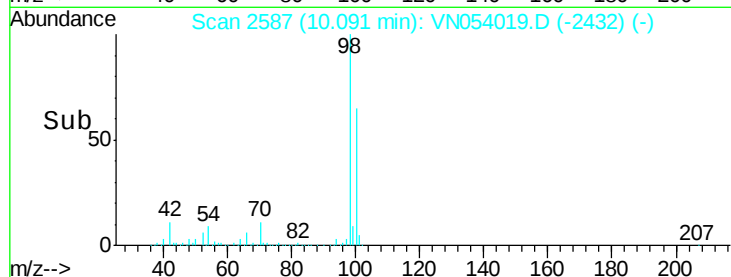
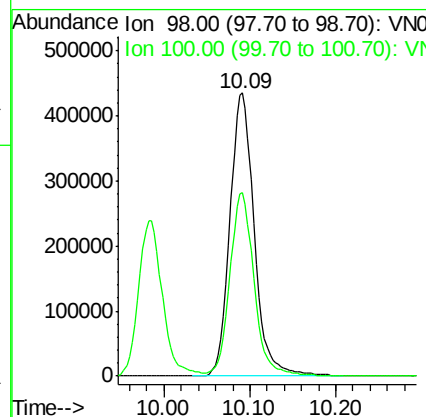
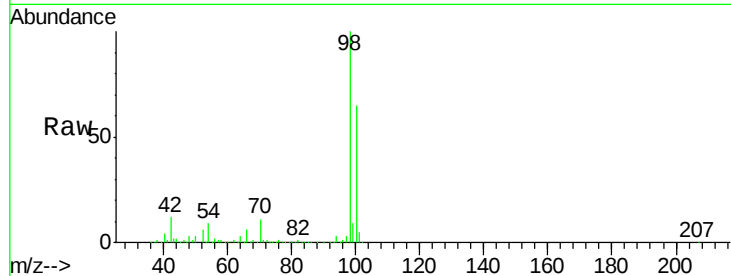
100 64.8 51.1 76.7

Manual Integrations

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#64

Chlorobenzene

Concen: 98.286 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN054019.D

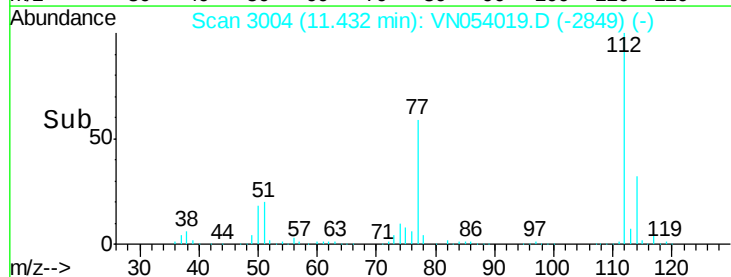
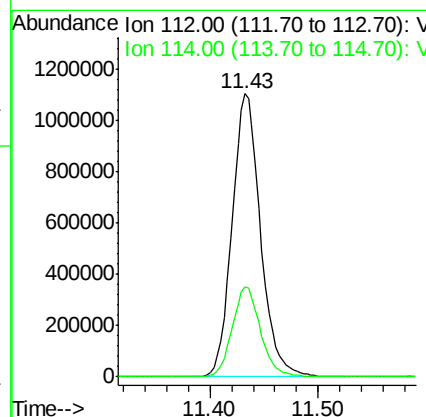
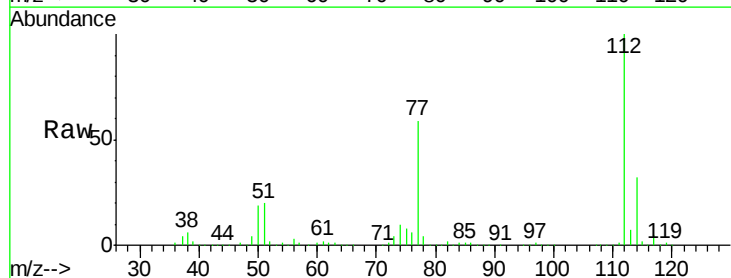
Acq: 1 Mar 2019 10:24

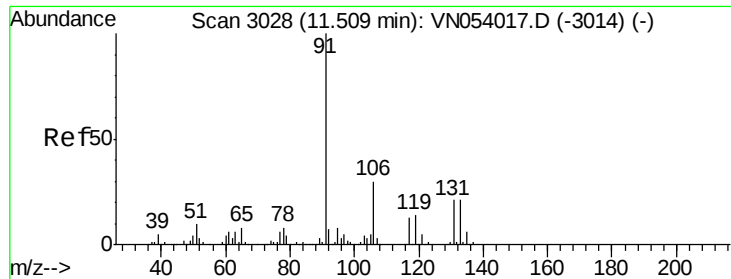
Tgt Ion: 112 Resp: 2022094

Ion Ratio Lower Upper

112 100

114 32.0 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 97.930 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

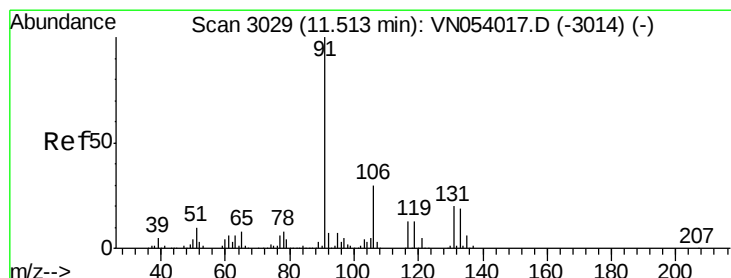
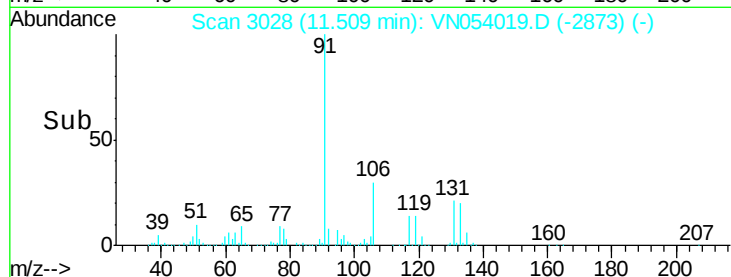
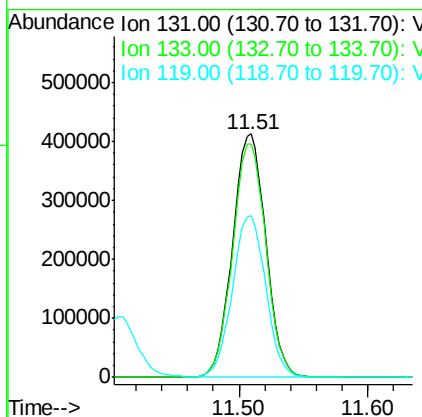
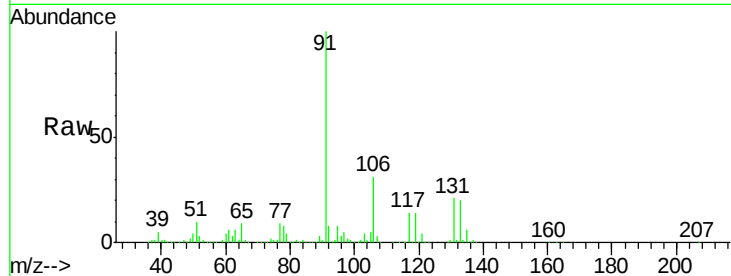
ClientSampled :

VSTDIC100

Tot Ion:	131	Resp:	740095
Ion Ratio	Lower	Upper	
131	100		
133	96.1	0.0	193.4
119	66.5	0.0	133.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 101.795 ug/l

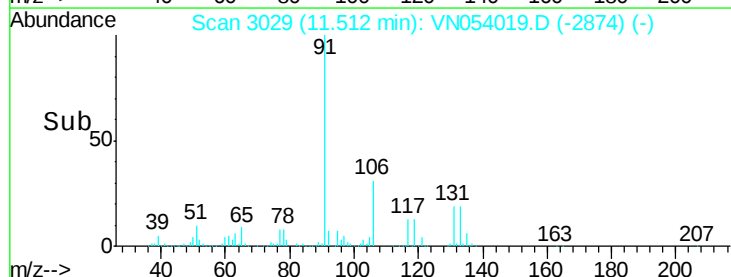
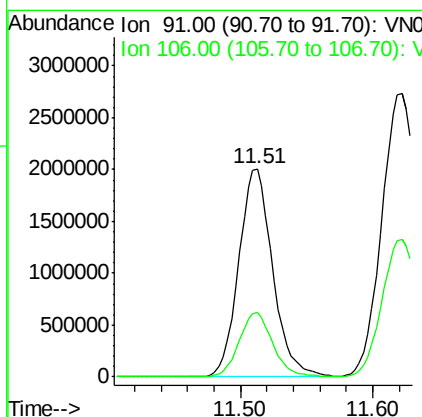
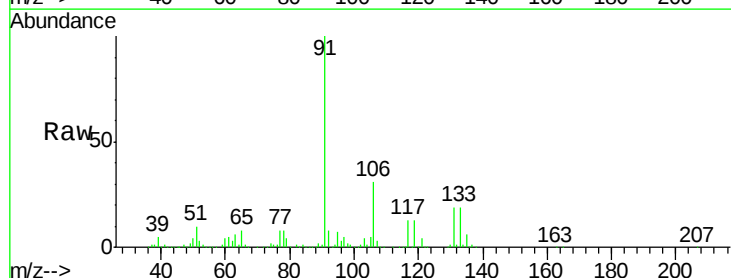
RT: 11.51 min Scan# 3029

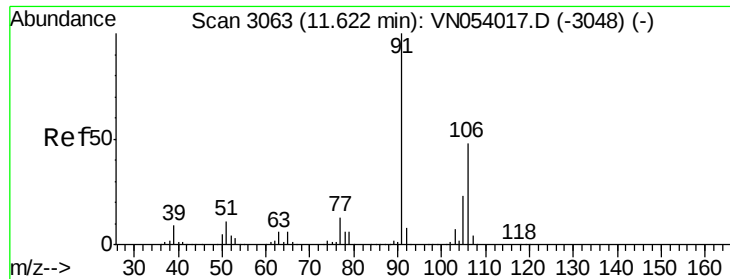
Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion:	91	Resp:	3564430
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.3	36.5





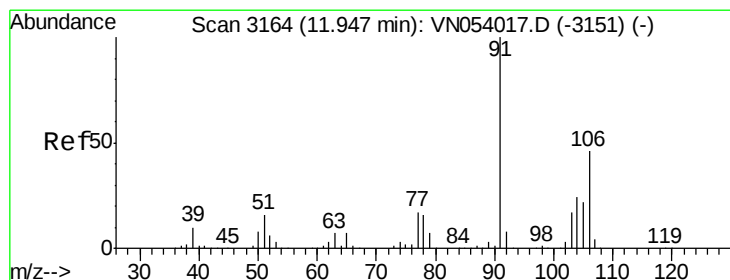
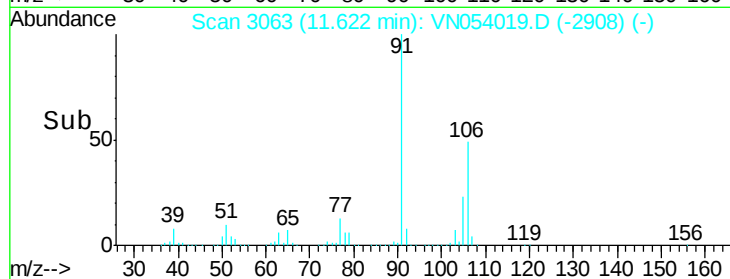
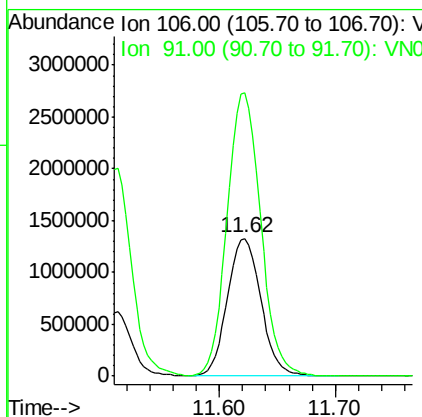
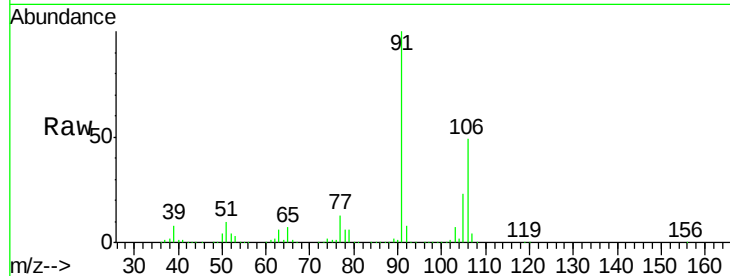
#67
m/p-Xylenes
Concen: 201.399 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2661553
Ion Ratio Lower Upper
106 100
91 205.6 163.9 245.9

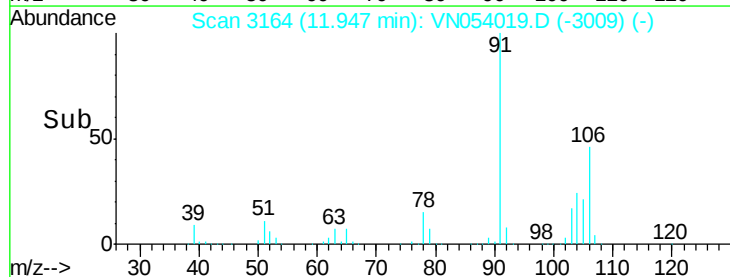
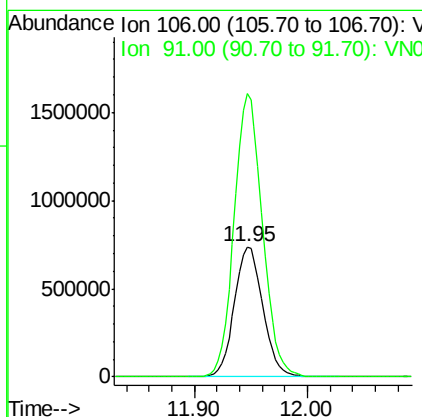
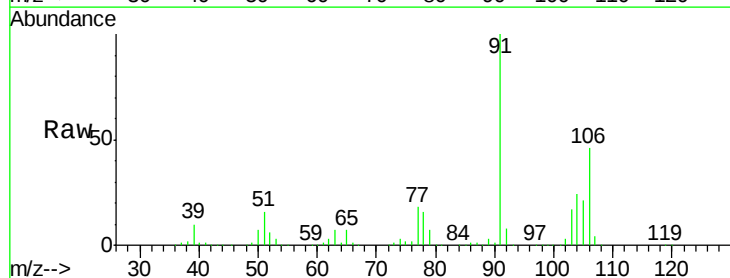
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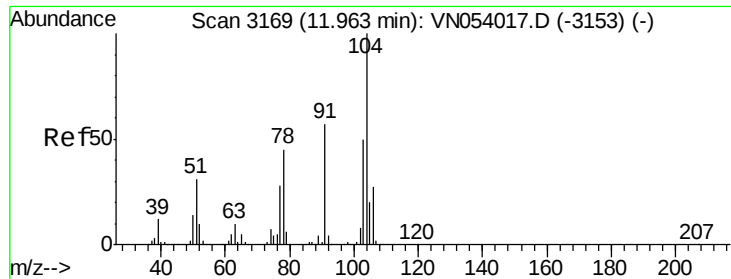
MMDadoda
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#68
o-Xylene
Concen: 101.104 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion:106 Resp: 1293436
Ion Ratio Lower Upper
106 100
91 216.0 107.8 323.4





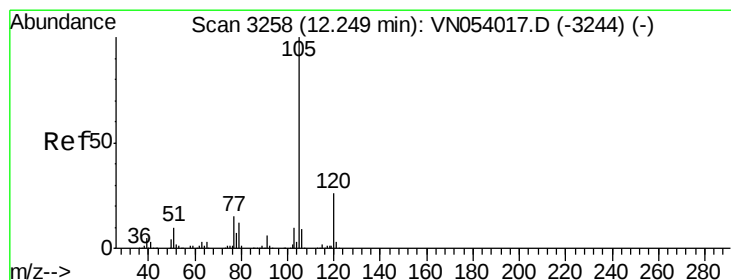
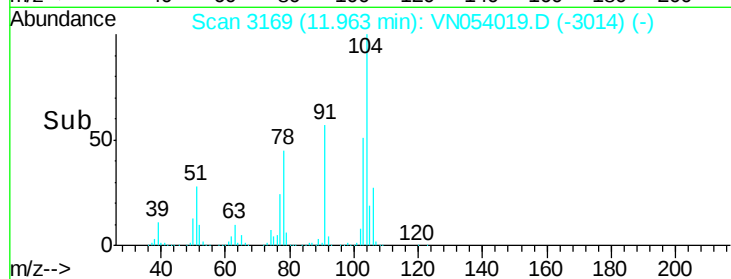
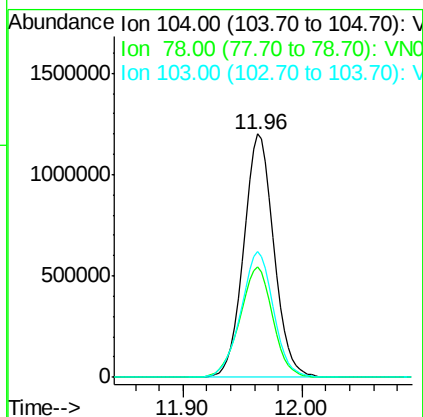
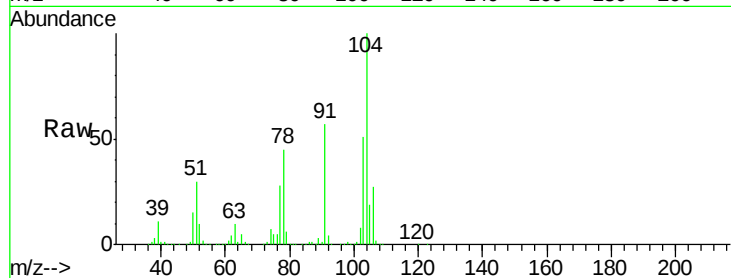
#69
Stvrene
Concen: 105.030 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.6	39.3	58.9
103	55.9	44.6	66.8

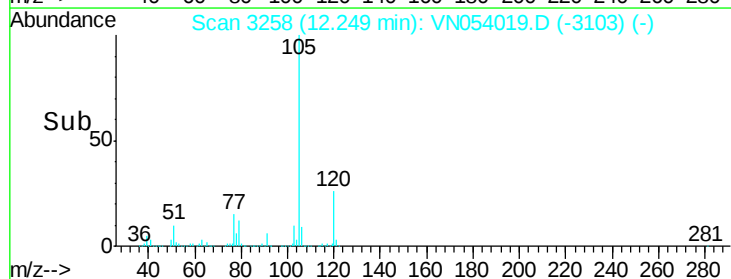
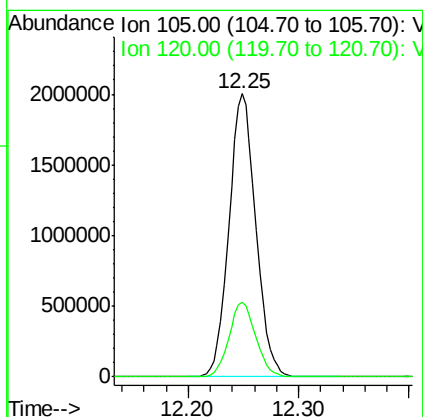
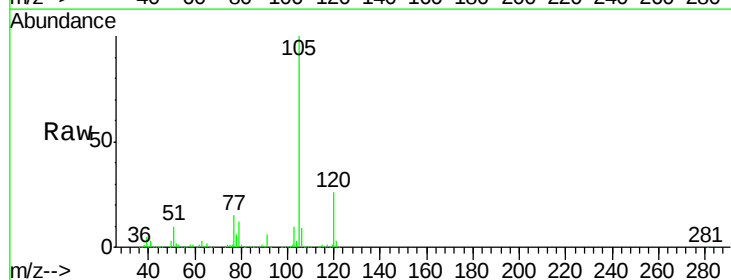
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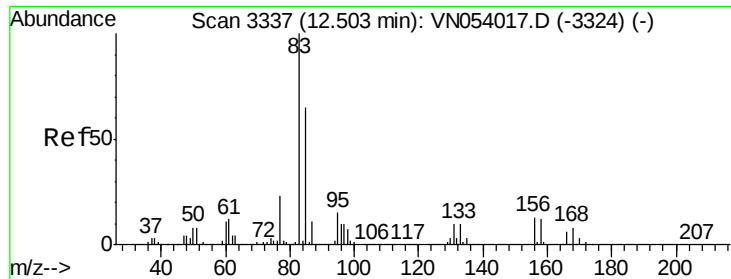
MMDadoda
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#70
Isopropylbenzene
Concen: 133.304 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.6	34.6





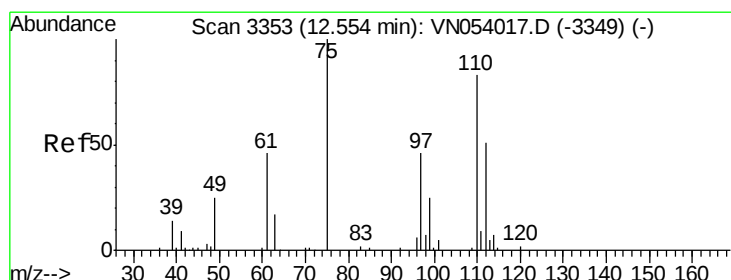
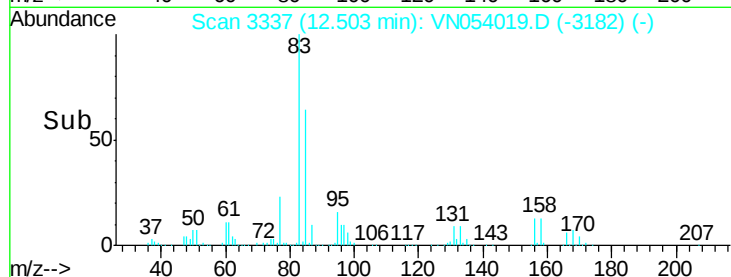
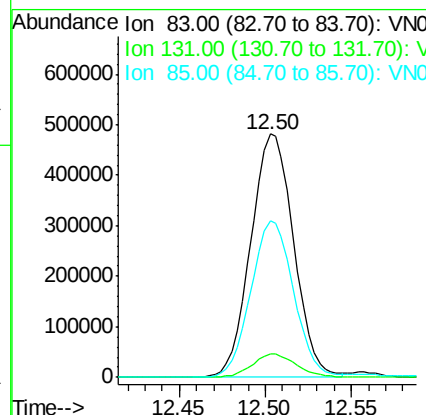
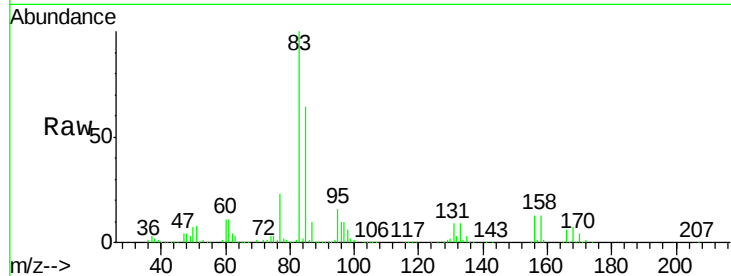
#71
 1,1,2,2-Tetrachloroethane
 Concen: 133.803 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	9.9	4.9	14.6	
85	64.1	32.2	96.6	

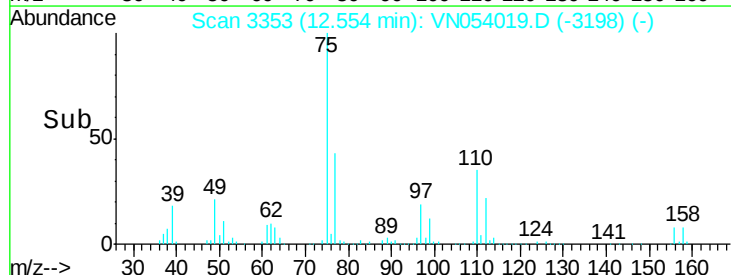
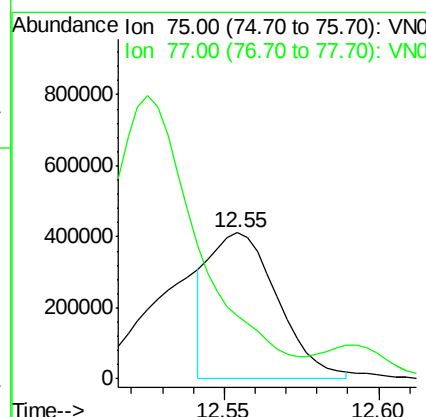
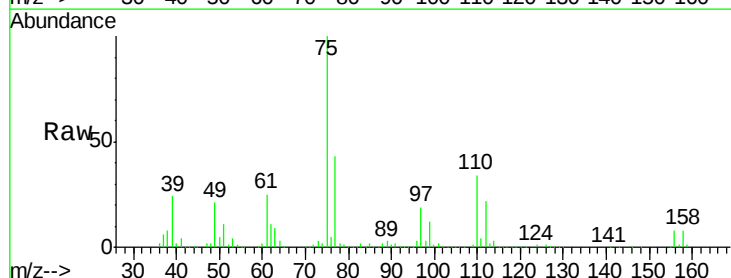
Manual Integrations
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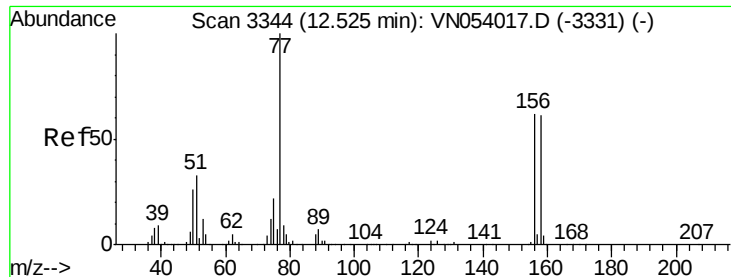
MMDadoda
 3/6/2019 10:23:23 AM



#72
 1,2,3-Trichloropropane
 Concen: 99.738 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	257.6	0.0	514.8	





#73

Bromobenzene

Concen: 99.535 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

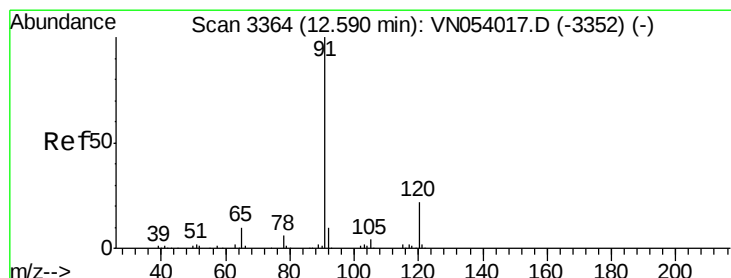
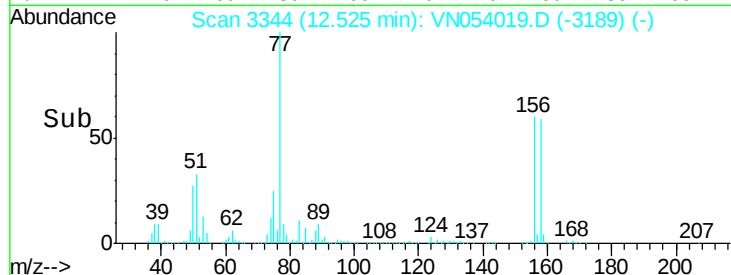
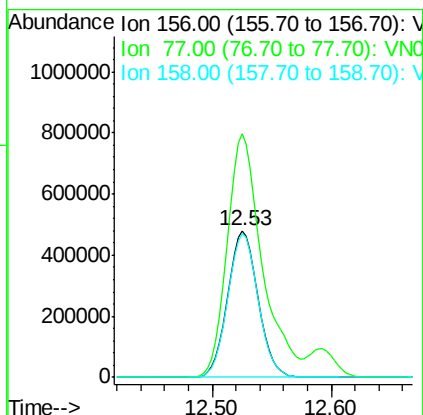
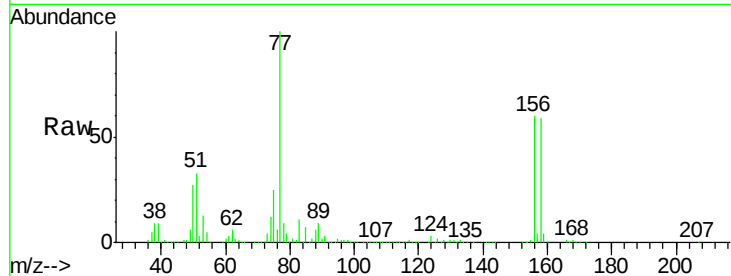
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	192.9	0.0	382.6
158	98.0	0.0	196.8

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



#74

n-propylbenzene

Concen: 135.776 ug/l

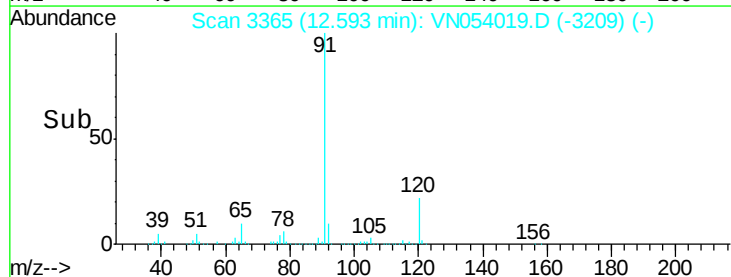
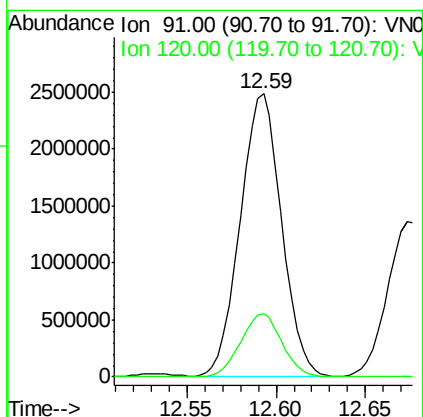
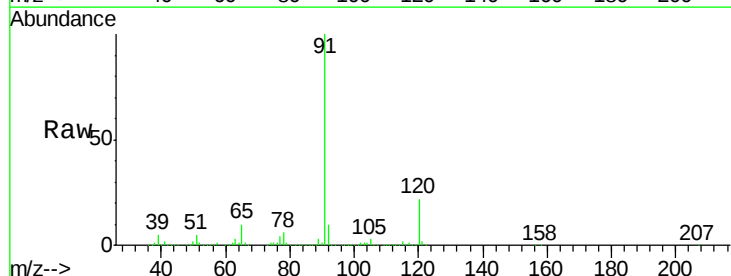
RT: 12.59 min Scan# 3365

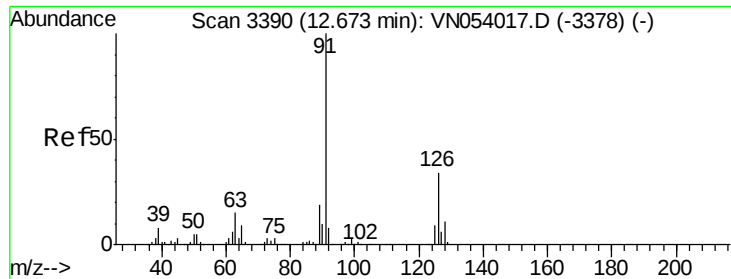
Delta R.T. 0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	0.0	44.6





#75

2-Chlorotoluene

Concen: 131.857 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 91 Resp: 2324985

Ion Ratio Lower Upper

91 100

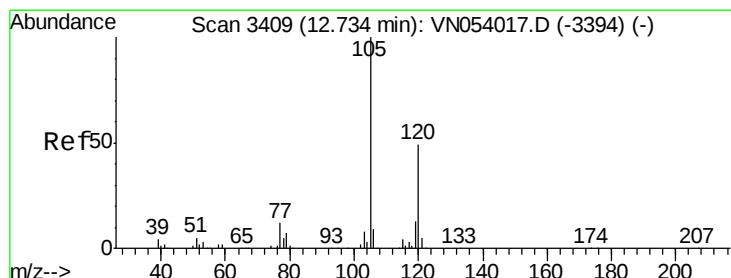
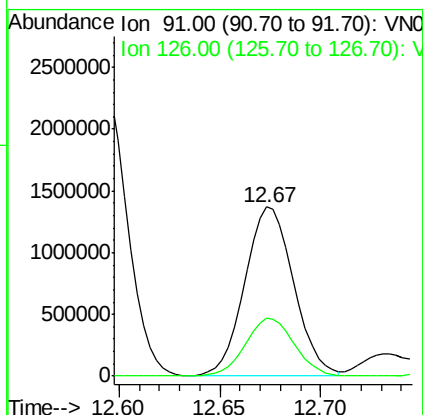
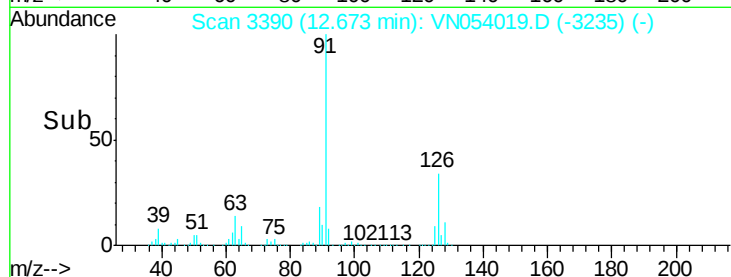
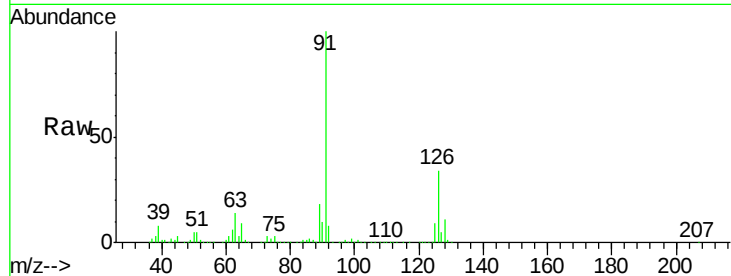
126 34.4 0.0 68.4

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#76

1,3,5-Trimethylbenzene

Concen: 100.764 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN054019.D

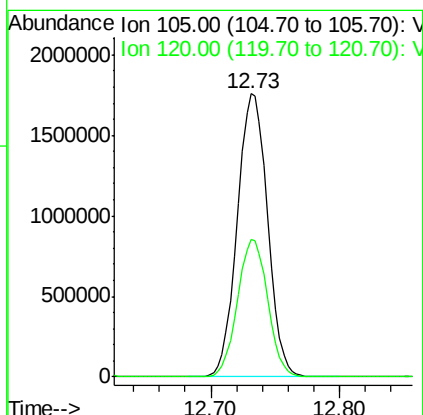
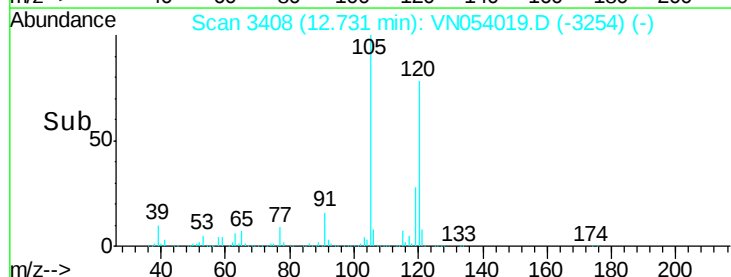
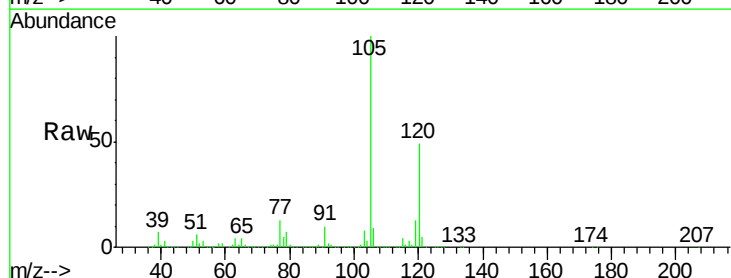
Acq: 1 Mar 2019 10:24

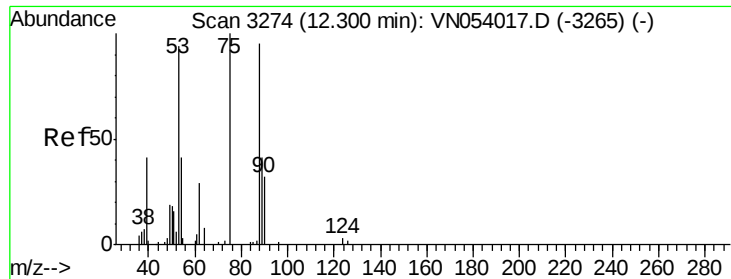
Tgt Ion:105 Resp: 2860408

Ion Ratio Lower Upper

105 100

120 48.5 0.0 97.4





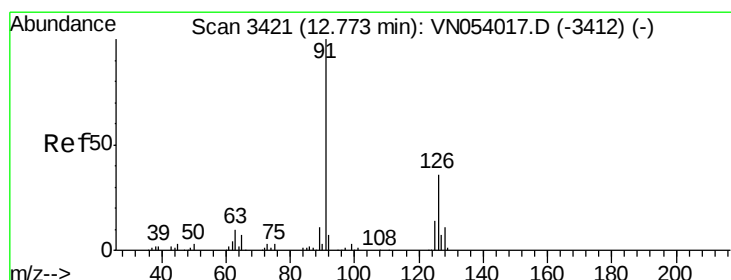
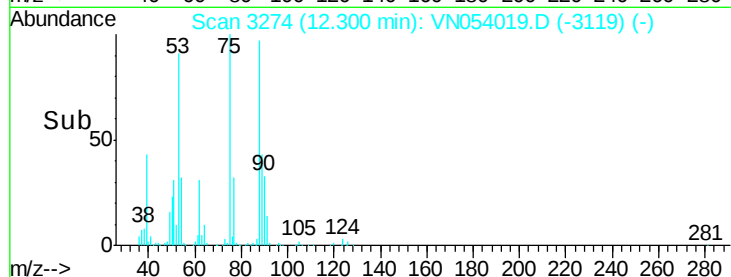
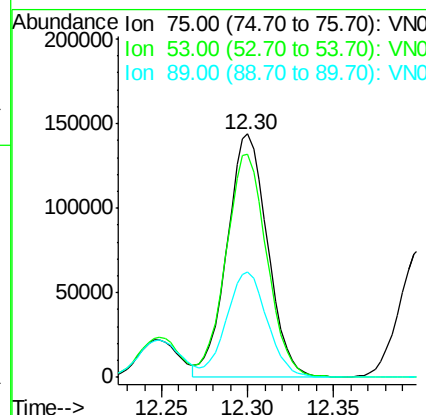
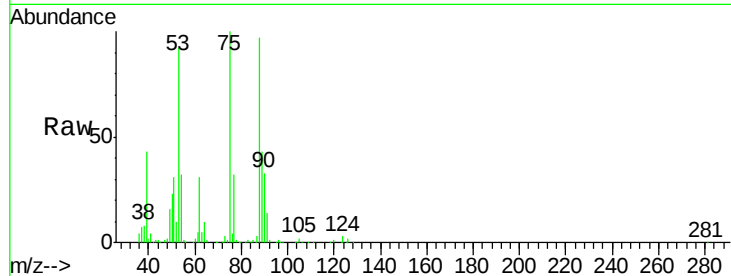
#77
t-1,4-Dichloro-2-butene
Concen: 150.177 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.7	48.5	145.6
89	43.1	21.7	65.1

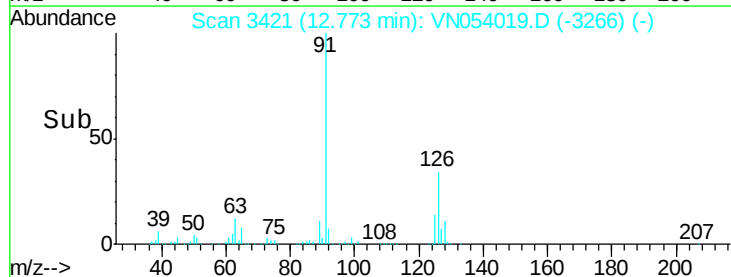
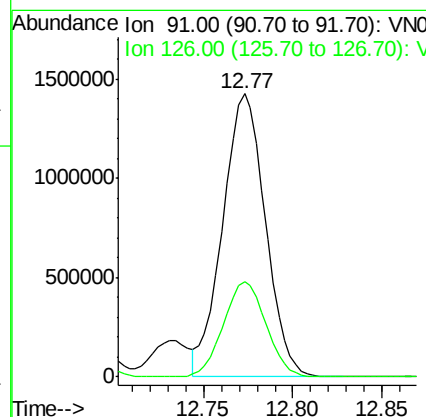
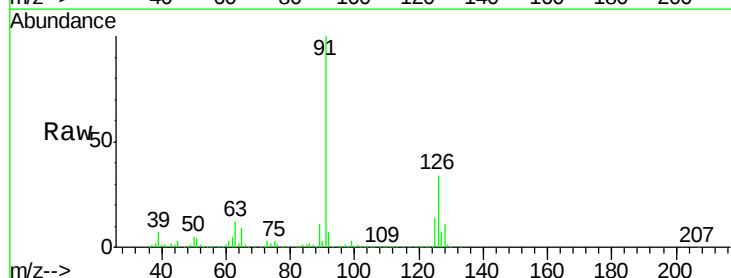
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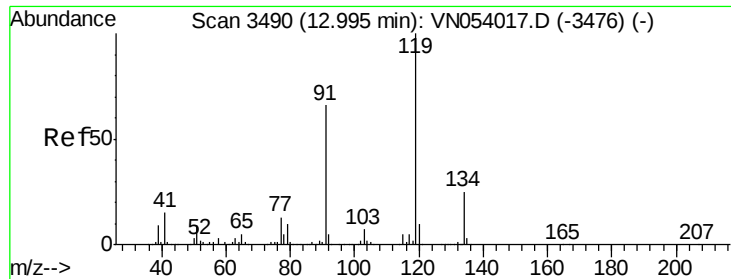
MMDadoda
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#78
4-Chlorotoluene
Concen: 101.686 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	0.0	68.2





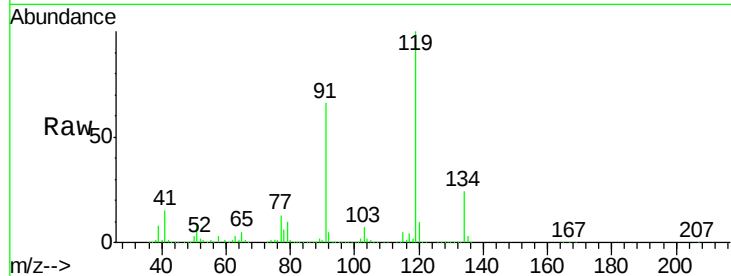
#79
tert-butylbenzene
Concen: 101.236 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

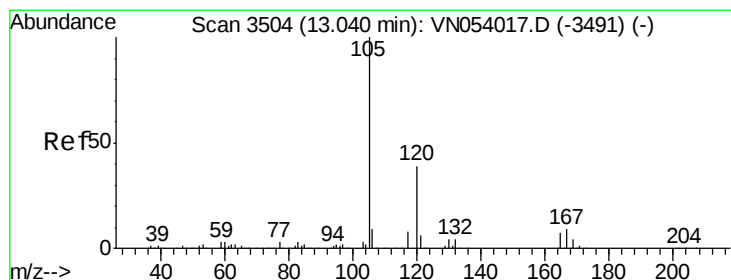
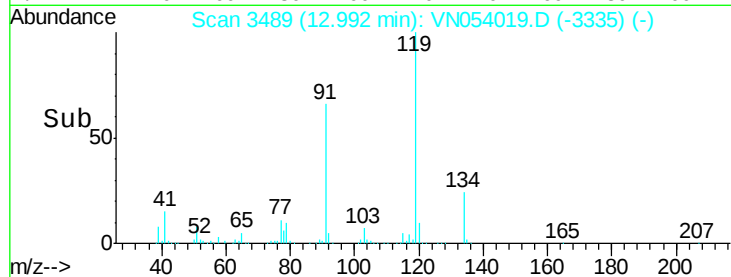
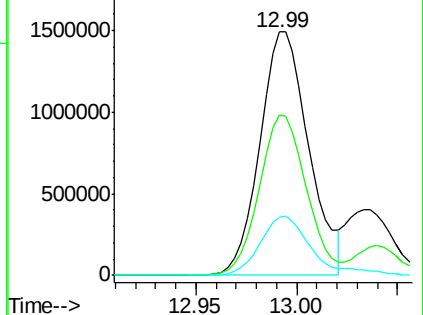
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.2	0.0	129.8
134	25.4	0.0	52.2

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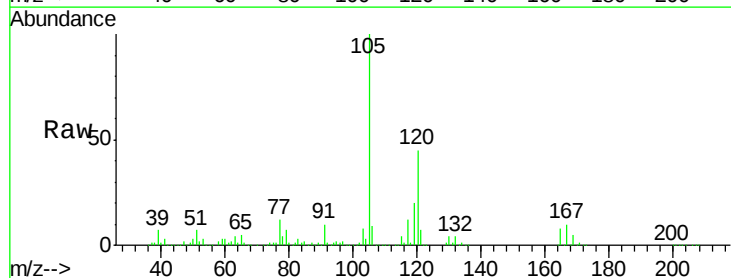


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

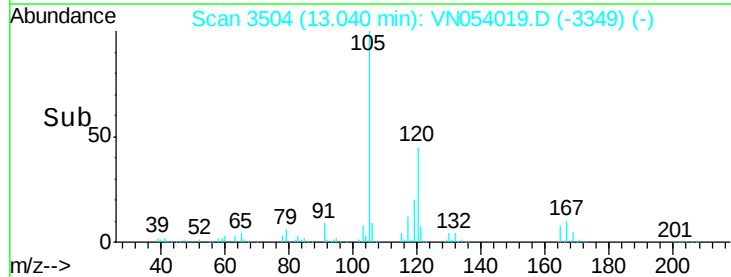
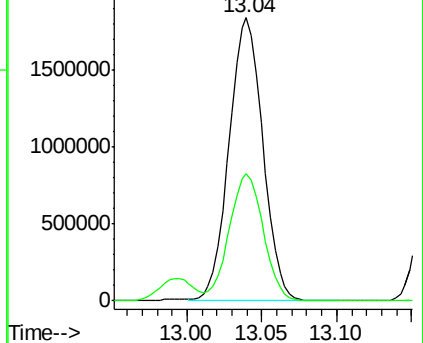


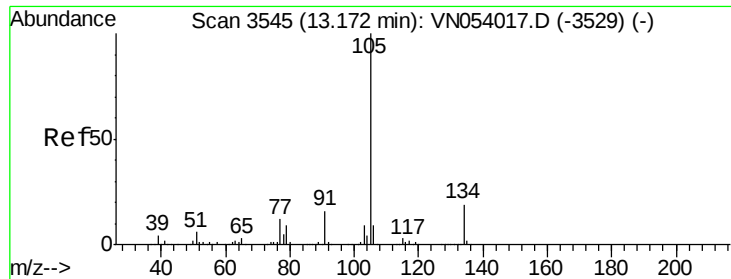
#80
1,2,4-Trimethylbenzene
Concen: 103.084 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.4	0.0	91.0



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





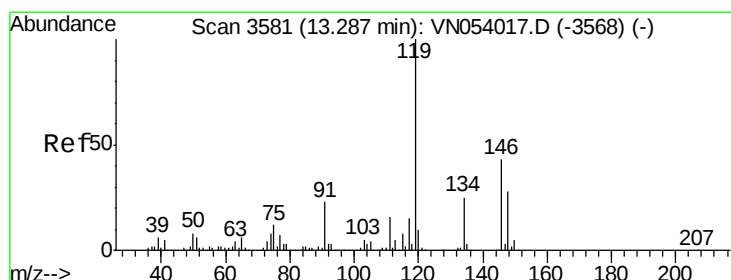
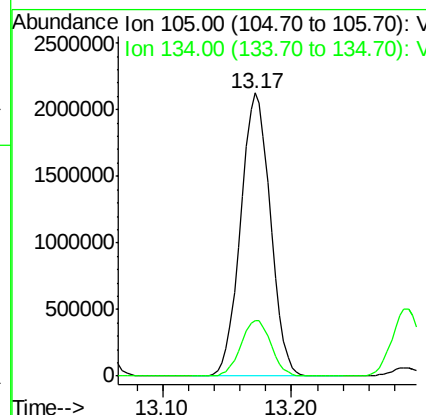
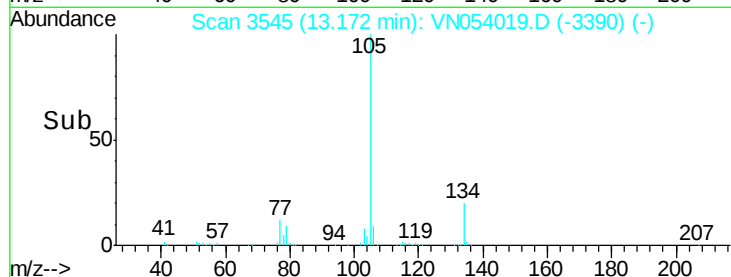
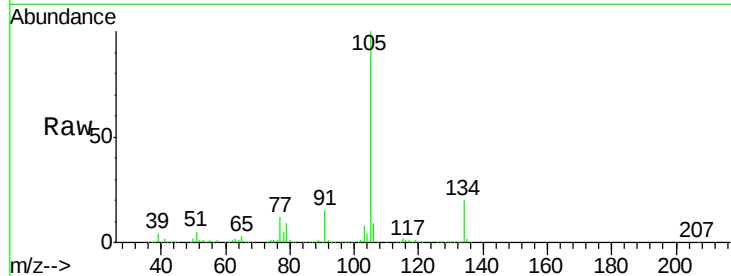
#81
 sec-Butylbenzene
 Concen: 98.874 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 3398566
 Ion Ratio Lower Upper
 105 100
 134 20.0 0.0 40.4

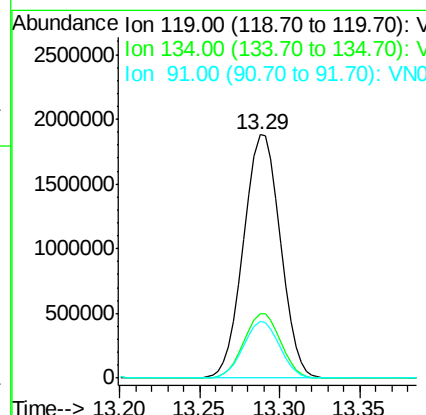
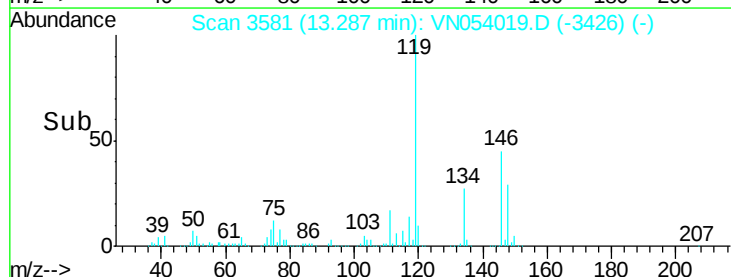
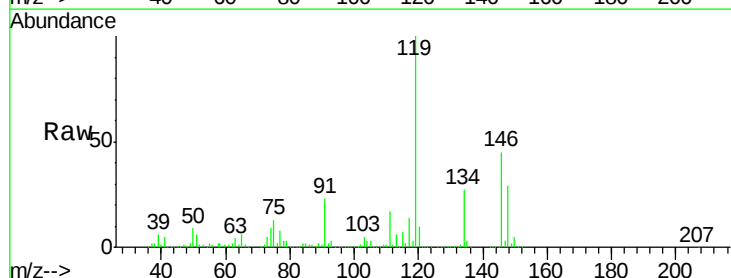
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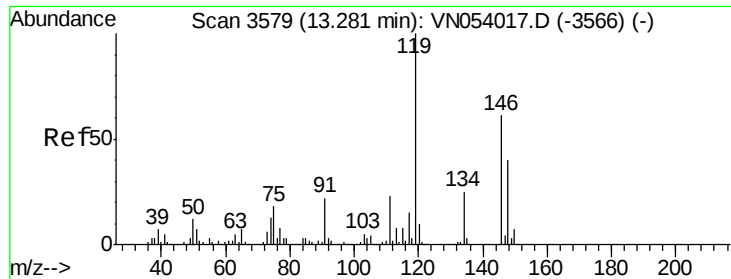
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#82
 p-Isopropyltoluene
 Concen: 102.160 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion:119 Resp: 2952359
 Ion Ratio Lower Upper
 119 100
 134 26.6 0.0 52.6
 91 22.8 0.0 46.2





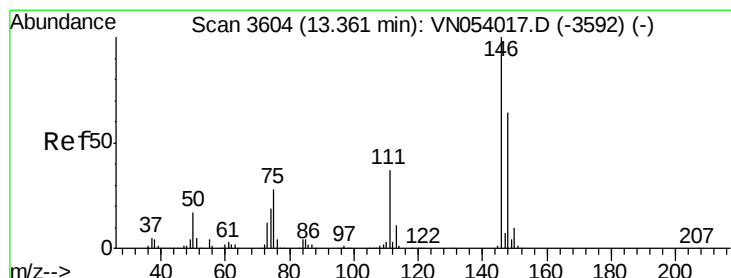
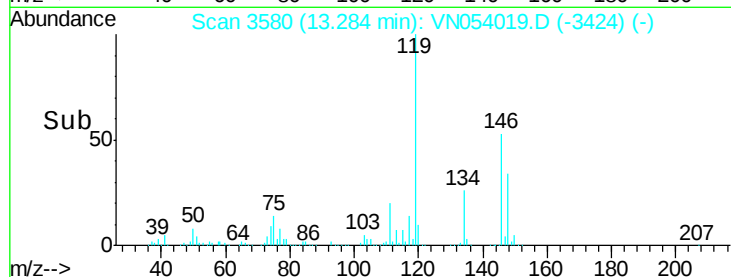
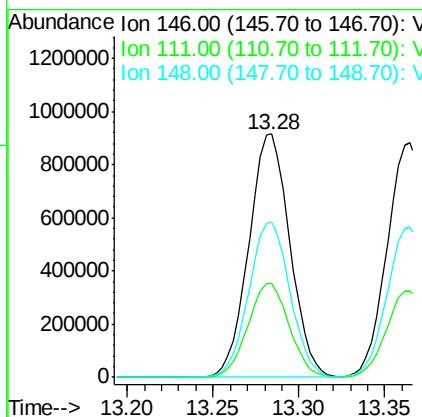
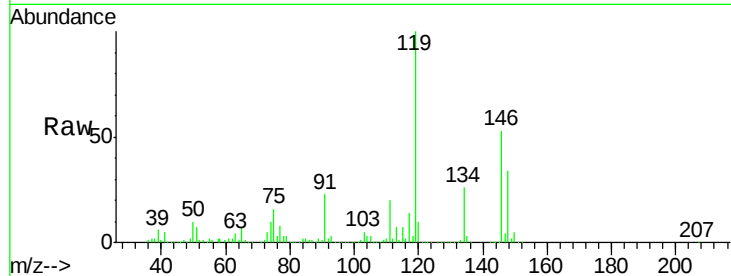
#83
 1,3-Dichlorobenzene
 Concen: 102.482 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:146 Resp: 1513716
 Ion Ratio Lower Upper
 146 100
 111 38.7 19.7 59.0
 148 64.2 32.3 96.8

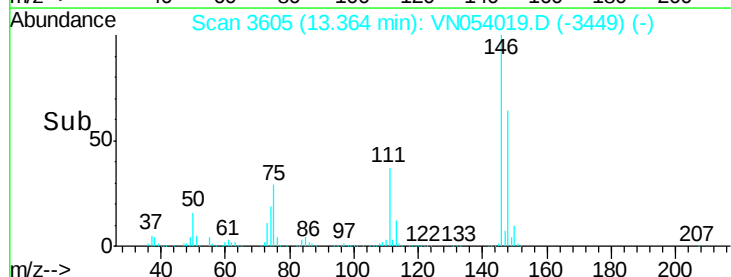
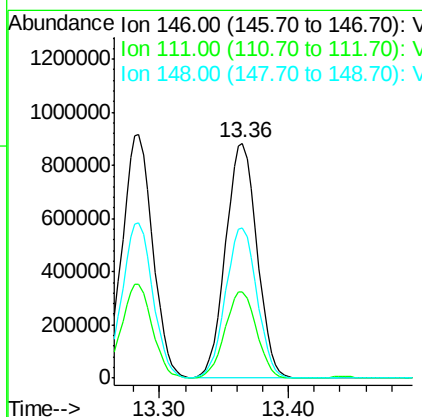
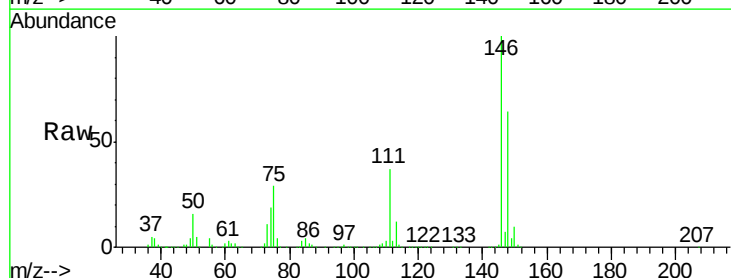
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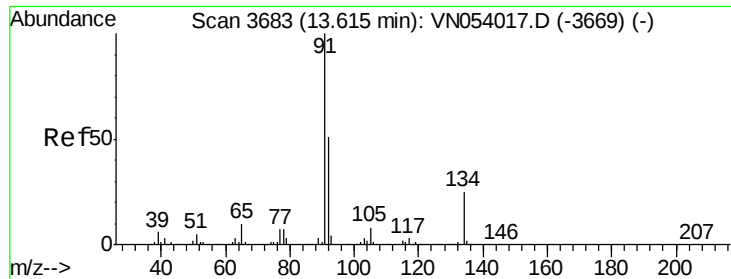
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#84
 1,4-Dichlorobenzene
 Concen: 107.566 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054019.D
 Acq: 1 Mar 2019 10:24

Tgt Ion:146 Resp: 1489944
 Ion Ratio Lower Upper
 146 100
 111 36.9 18.8 56.3
 148 64.1 32.5 97.4





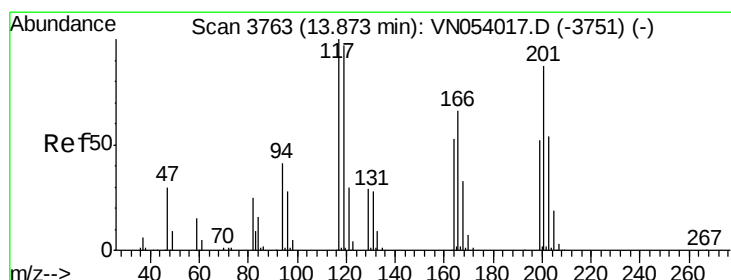
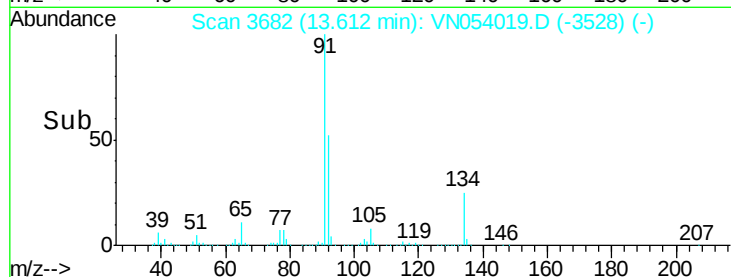
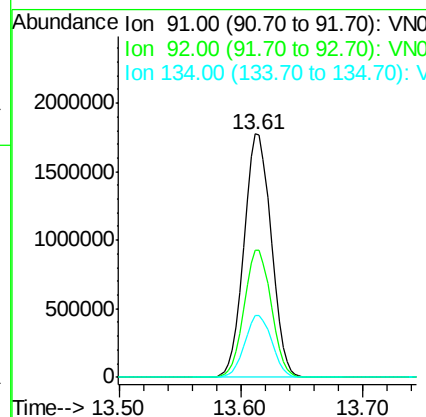
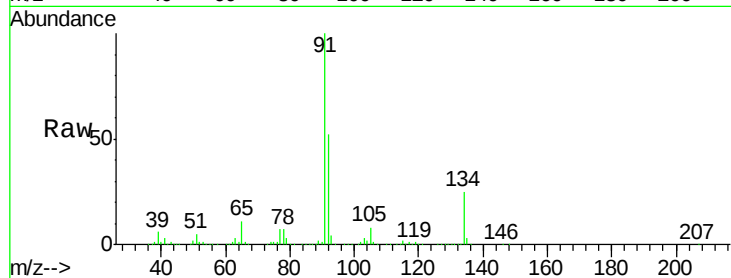
#85
n-Butylbenzene
Concen: 112.693 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 2725422
Ion Ratio Lower Upper
91 100
92 52.0 0.0 104.2
134 25.3 0.0 50.6

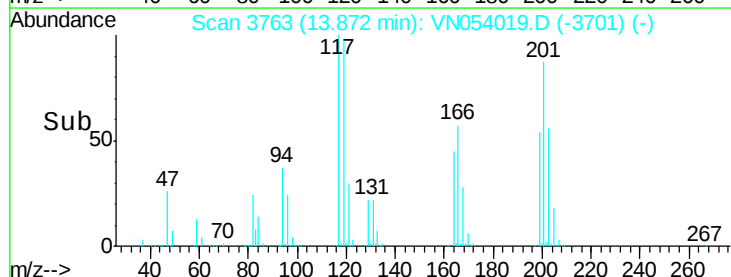
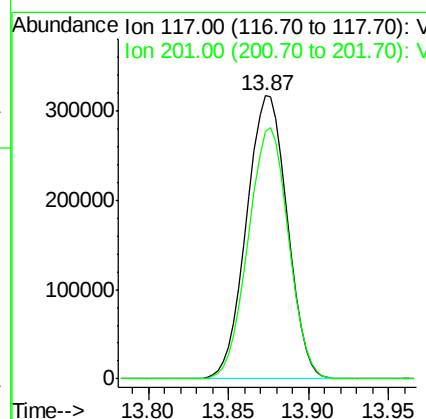
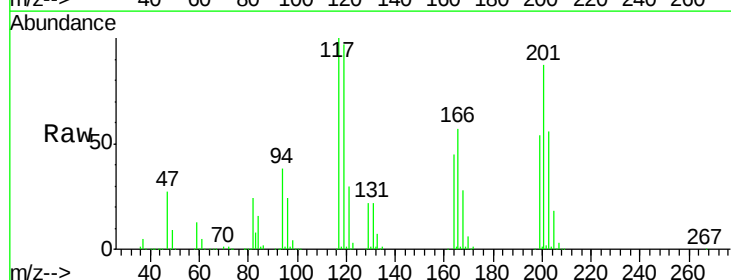
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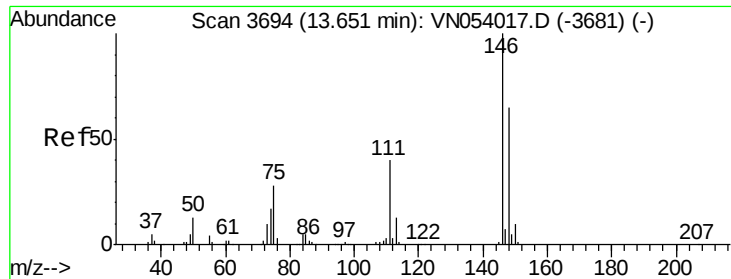
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#86
Hexachloroethane
Concen: 102.467 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion: 117 Resp: 551517
Ion Ratio Lower Upper
117 100
201 87.8 43.8 131.3





#87

1,2-Dichlorobenzene

Concen: 100.094 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:146 Resp: 1454065

Ion Ratio Lower Upper

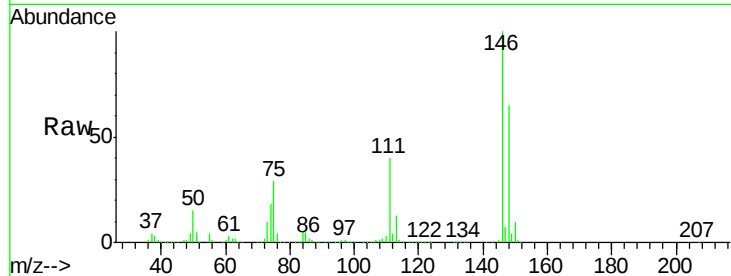
146 100

111 39.8 20.3 60.8

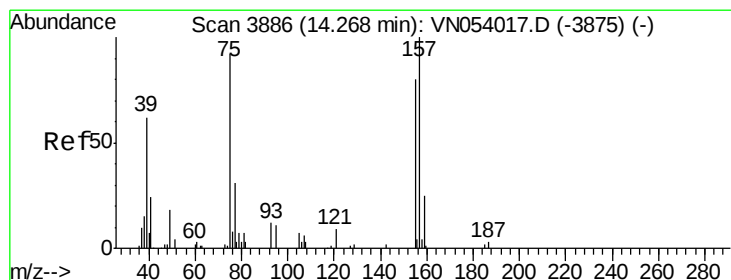
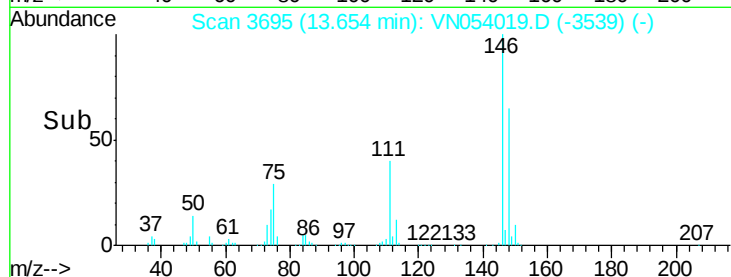
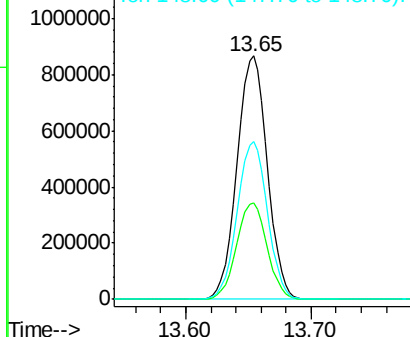
148 64.7 32.1 96.5

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Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#88

1,2-Dibromo-3-Chloropropane

Concen: 98.092 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

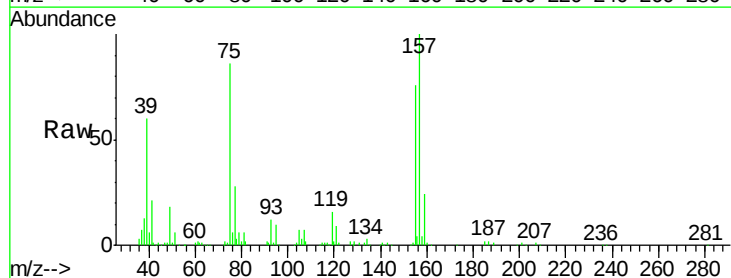
Tgt Ion: 75 Resp: 117096

Ion Ratio Lower Upper

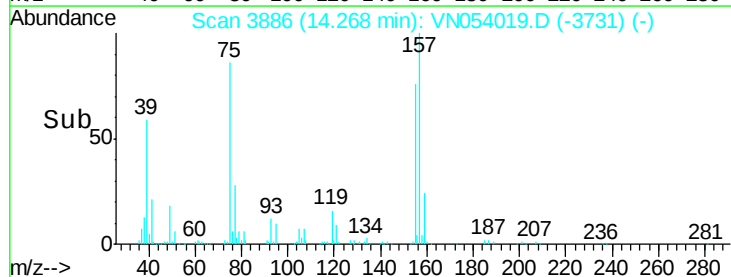
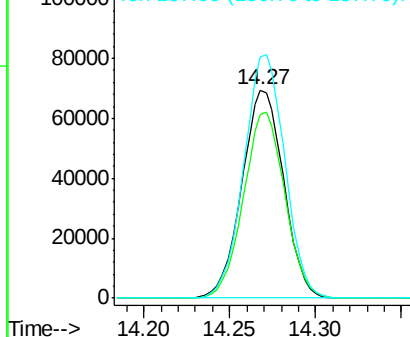
75 100

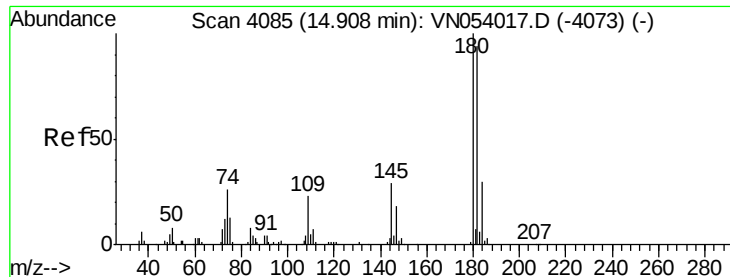
155 88.5 72.2 108.2

157 114.6 94.2 141.2



Abundance Ion 75.00 (74.70 to 75.70): V
Ion 155.00 (154.70 to 155.70): V
Ion 157.00 (156.70 to 157.70): V





#89

1,2,4-Trichlorobenzene

Concen: 130.791 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Instrument :

MSVOA_N

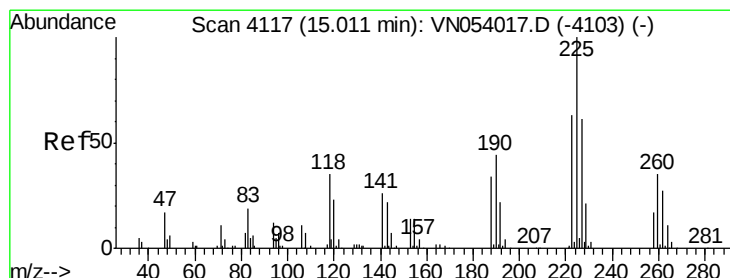
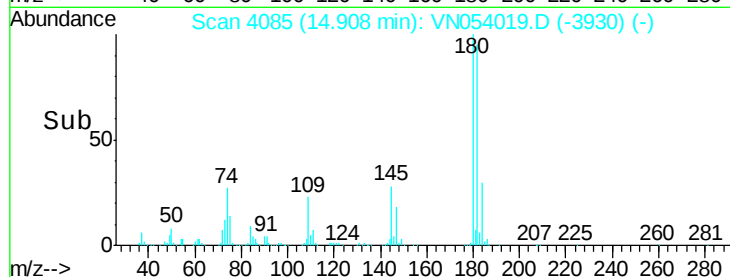
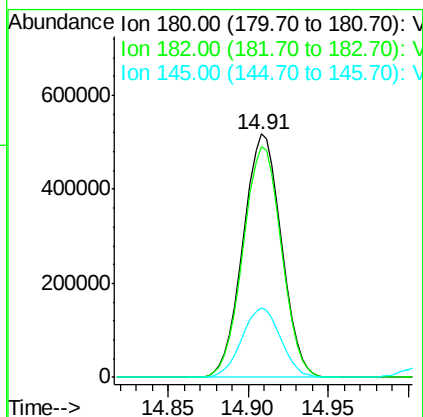
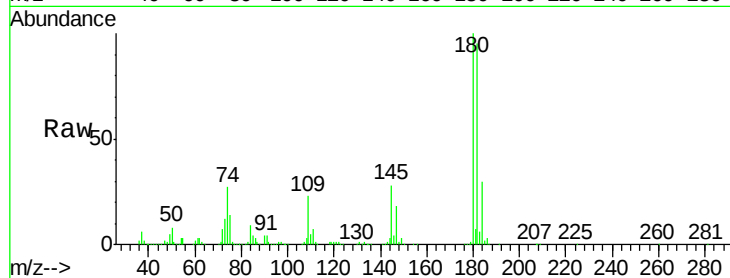
ClientSampleId :

VSTDIC100

Tot Ion:	180	Resp:	846916
Ion Ratio	Lower	Upper	
180	100		
182	94.9	76.6	114.8
145	28.7	23.6	35.4

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#90

Hexachlorobutadiene

Concen: 93.786 ug/l

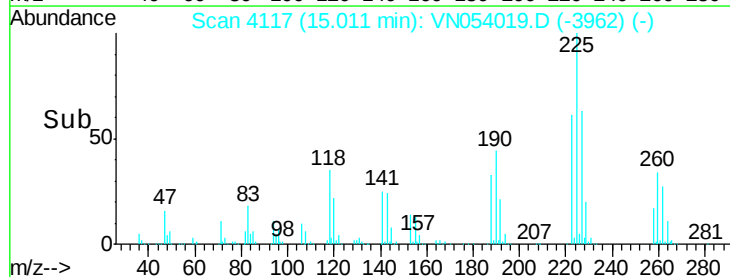
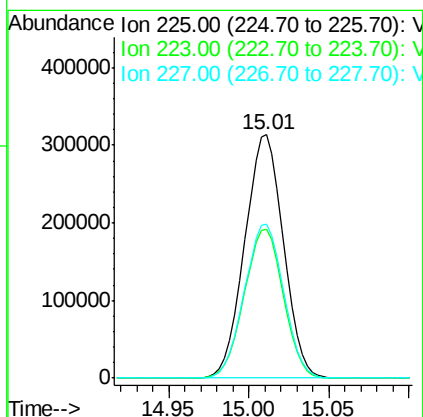
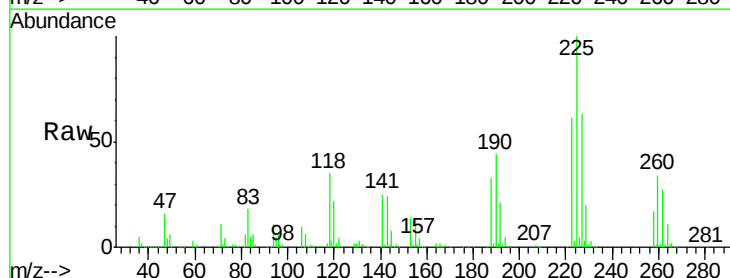
RT: 15.01 min Scan# 4117

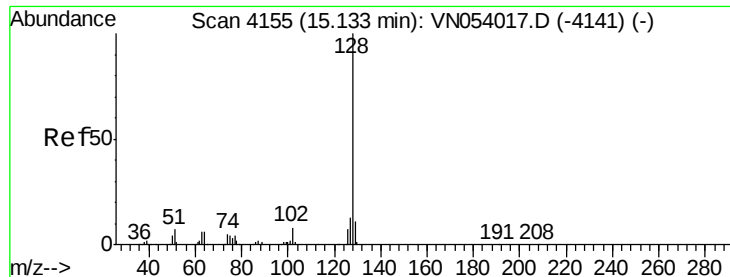
Delta R.T. -0.00 min

Lab File: VN054019.D

Acq: 1 Mar 2019 10:24

Tgt Ion:	225	Resp:	519442
Ion Ratio	Lower	Upper	
225	100		
223	61.8	0.0	125.6
227	64.1	0.0	127.8





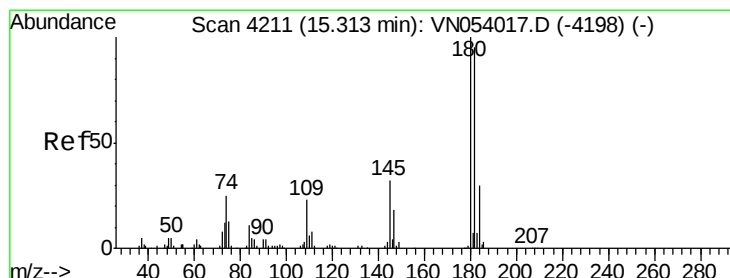
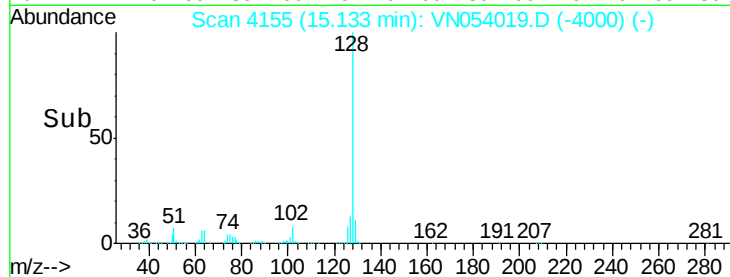
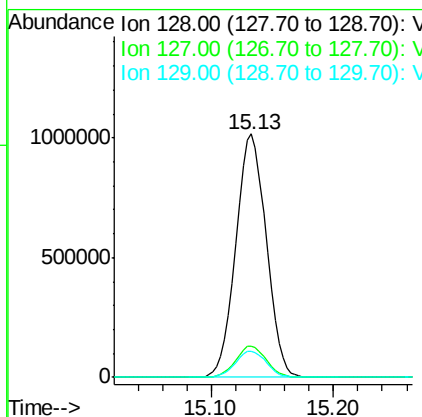
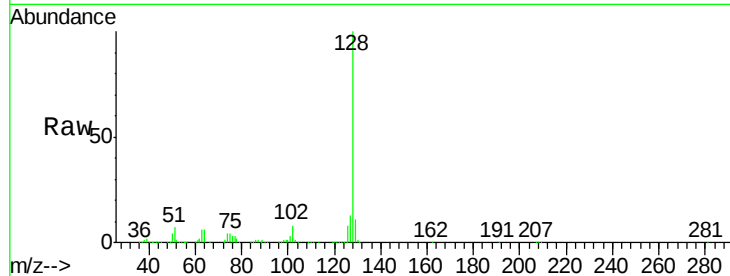
#91
Naphthalene
Concen: 142.894 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	9.9	14.9
129	10.9	8.5	12.7

Manual Integrations
APPROVED

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



#92
1,2,3-Trichlorobenzene
Concen: 121.989 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN054019.D
Acq: 1 Mar 2019 10:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	0.0	196.2
145	30.7	0.0	62.2

