

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054119.D
 Acq On : 6 Mar 2019 16:20
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:39:22 AM

Quant Time: Mar 07 06:52:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 06:25:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	728635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1118264	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	959814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	440687	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	414433	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
35) Dibromofluoromethane	7.59	113	366424	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	10.09	98	1368396	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
62) 4-Bromofluorobenzene	12.40	95	449159	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	308606	44.069	ug/l	100
3) Chloromethane	2.05	50	423341	48.249	ug/l	99
4) Vinyl Chloride	2.18	62	421288	44.403	ug/l	100
5) Bromomethane	2.56	94	243248	48.873	ug/l	100
6) Chloroethane	2.70	64	246158	42.804	ug/l	100
7) Trichlorofluoromethane	3.01	101	530007	45.724	ug/l	99
8) Diethyl Ether	3.41	74	218687	47.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	345400	45.803	ug/l	98
10) Methyl Iodide	3.95	142	402620	46.200	ug/l	100
11) Tert butyl alcohol	4.79	59	140224	263.396	ug/l	98
12) 1,1-Dichloroethene	3.73	96	317848	45.182	ug/l	98
13) Acrolein	3.61	56	69331	146.491	ug/l	100
14) Allyl chloride	4.32	41	605484	47.767	ug/l	99
15) Acrylonitrile	4.98	53	723752	240.855	ug/l	99
16) Acetone	3.82	43	694205	257.576	ug/l	99
17) Carbon Disulfide	4.05	76	964310	47.465	ug/l	100
18) Methyl Acetate	4.32	43	323451	51.048	ug/l	100
19) Methyl tert-butyl Ether	5.04	73	973166	49.291	ug/l	98
20) Methylene Chloride	4.55	84	368326	48.188	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	349419	45.245	ug/l	99
22) Diisopropyl ether	5.95	45	1221834	49.472	ug/l	99
23) Vinyl Acetate	5.89	43	4447135	253.492	ug/l	99
24) 1,1-Dichloroethane	5.85	63	681961	46.152	ug/l	100
25) 2-Butanone	6.83	43	923240	257.465	ug/l	100
26) 2,2-Dichloropropane	6.82	77	505147	47.430	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	397235	46.127	ug/l	99
28) Bromochloromethane	7.19	49	339233	45.996	ug/l	100
29) Tetrahydrofuran	7.21	42	589150	250.663	ug/l	99
30) Chloroform	7.37	83	648324	45.791	ug/l	100
31) Cyclohexane	7.65	56	653529	49.764	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	539969	46.000	ug/l	99
36) 1,1-Dichloropropene	7.79	75	517195	49.274	ug/l	98
37) Ethyl Acetate	6.93	43	382771	50.680	ug/l	99
38) Carbon Tetrachloride	7.77	117	478825	47.786	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	624769	51.576	ug/l	99
40) Benzene	8.04	78	1524566	49.095	ug/l	99
41) Methacrylonitrile	7.17	41	188291	47.834	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	473062	48.091	ug/l	99
43) Isopropyl Acetate	8.16	43	642178	51.187	ug/l	99
44) Trichloroethene	8.83	130	391440	47.010	ug/l	96
45) 1,2-Dichloropropane	9.12	63	413432	48.267	ug/l	100
46) Dibromomethane	9.21	93	236449	48.358	ug/l	99
47) Bromodichloromethane	9.40	83	500379	48.888	ug/l	99
48) Methyl methacrylate	9.20	41	312655	54.134	ug/l	98
49) 1,4-Dioxane	9.20	88	75162	905.265	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1809100	269.978	ug/l	100
52) Toluene	10.16	92	909103	49.414	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	522013	51.708	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	603539	50.583	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	340395	49.134	ug/l	99
56) Ethyl methacrylate	10.43	69	445401	54.766	ug/l	99
57) 1,3-Dichloropropane	10.71	76	590819	49.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1039406	279.222	ug/l	100
59) 2-Hexanone	10.75	43	1196140	270.580	ug/l	100
60) Dibromochloromethane	10.90	129	373089	50.365	ug/l	99
61) 1,2-Dibromoethane	11.00	107	325714	49.410	ug/l	98
64) Tetrachloroethene	10.63	164	378127	48.004	ug/l	99
65) Chlorobenzene	11.43	112	962347	48.180	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	354678	49.605	ug/l	100
67) Ethyl Benzene	11.51	91	1675039	50.115	ug/l	100
68) m/p-Xylenes	11.62	106	1274948	101.079	ug/l	99
69) o-Xylene	11.95	106	618439	50.952	ug/l	99
70) Styrene	11.96	104	988798	51.321	ug/l	99
71) Bromoform	12.13	173	255011	51.822	ug/l #	99
73) Isopropylbenzene	12.25	105	1632093	46.545	ug/l	100
74) N-amyl acetate	12.07	43	482213	51.925	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	415542	51.444	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	339986m	45.270	ug/l	
77) Bromobenzene	12.53	156	396137	48.970	ug/l	97
78) n-propylbenzene	12.59	91	1936027	49.067	ug/l	100
79) 2-Chlorotoluene	12.67	91	1128603	47.095	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1400832	49.145	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	113216	51.769	ug/l	99
82) 4-Chlorotoluene	12.77	91	1130256	47.313	ug/l	100
83) tert-Butylbenzene	12.99	119	1219799	48.322	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1415633	50.038	ug/l	100
85) sec-Butylbenzene	13.17	105	1665346	48.614	ug/l	100
86) p-Isopropyltoluene	13.29	119	1443143	50.112	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	720979	46.984	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	706801	46.411	ug/l	100
89) n-Butylbenzene	13.62	91	1269839	52.224	ug/l	100
90) Hexachloroethane	13.87	117	252715	45.752	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	703480	50.919	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	64806	50.654	ug/l	98

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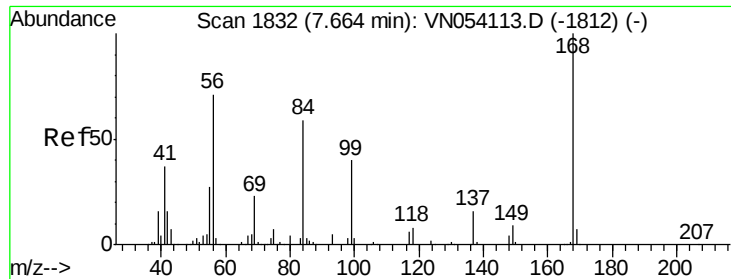
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	396718	54.404	ug/l	99
94) Hexachlorobutadiene	15.01	225	260877	58.079	ug/l	100
95) Naphthalene	15.13	128	814587	49.223	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	386634	52.693	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

Tot Ion:168 Resp: 728635

Ion Ratio Lower Upper

168 100

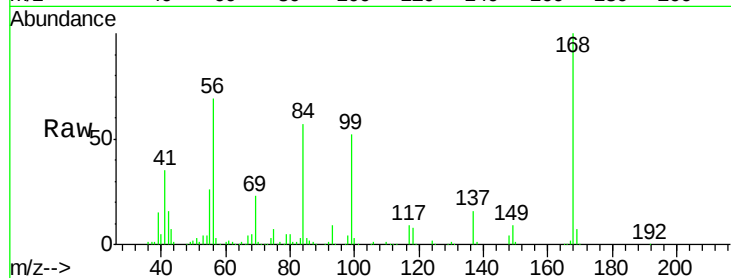
99 51.7 41.1 61.7

Manual Integrations

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3/7/2019 11:39:22 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

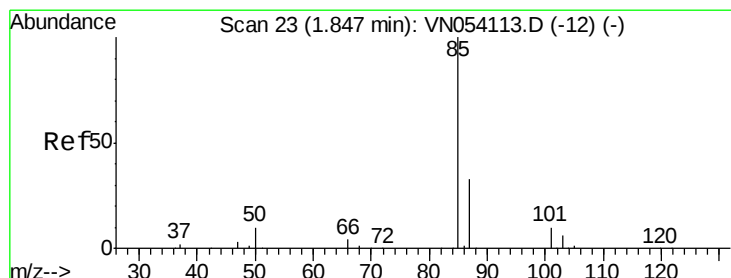
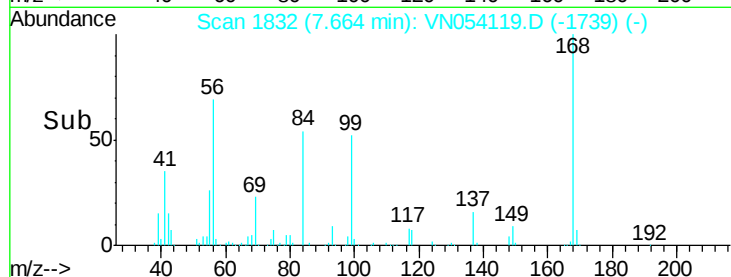
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 44.069 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN054119.D

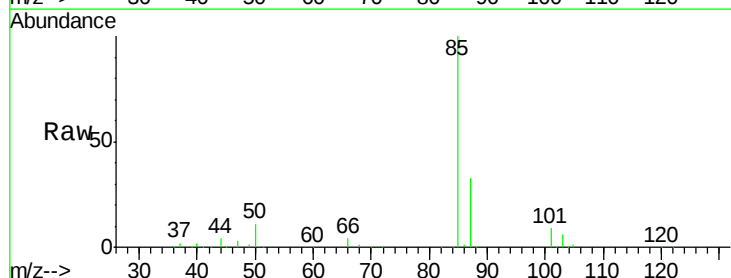
Acq: 6 Mar 2019 16:20

Tgt Ion: 85 Resp: 308606

Ion Ratio Lower Upper

85 100

87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

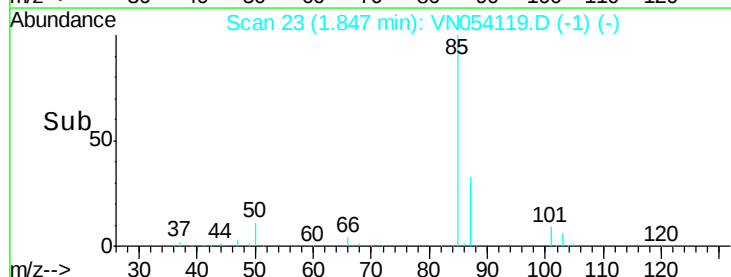
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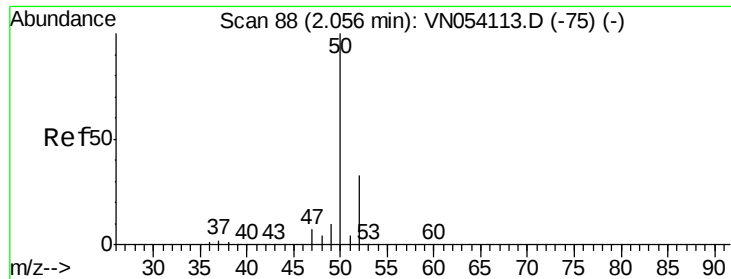
100000

50000

0

Time-->





#3

Chloromethane

Concen: 48.249 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

Tot Ion: 50 Resp: 423341

Ion Ratio Lower Upper

50 100

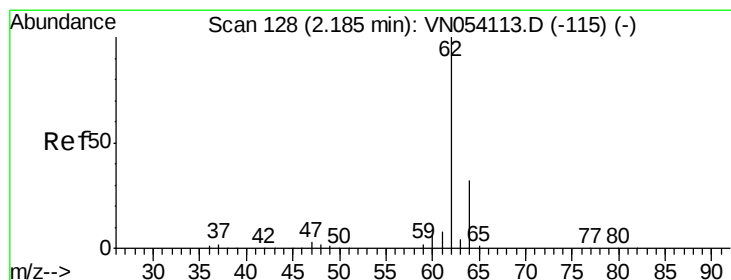
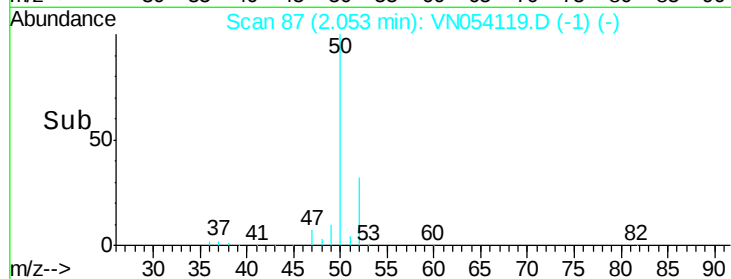
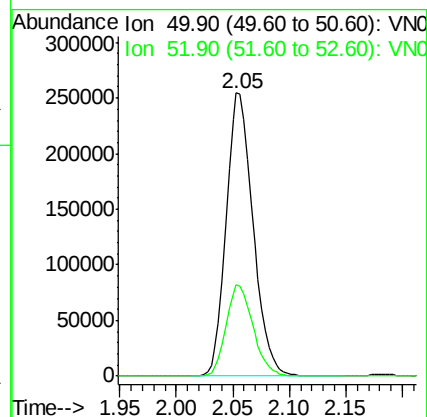
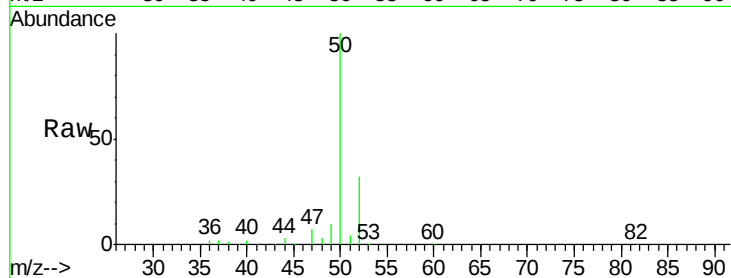
52 32.2 26.0 39.0

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3/7/2019 11:39:22 AM



#4

Vinyl Chloride

Concen: 44.403 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN054119.D

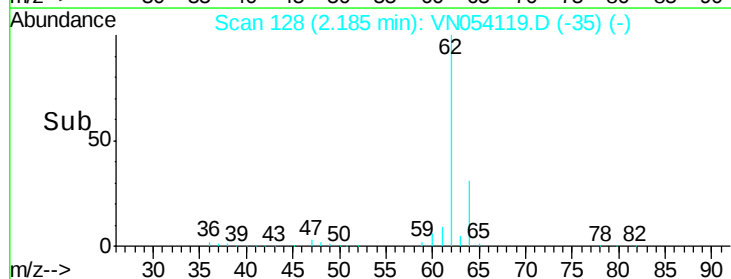
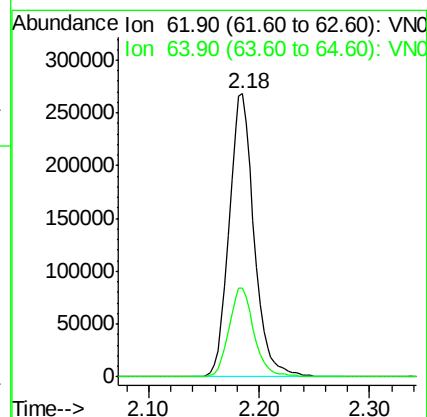
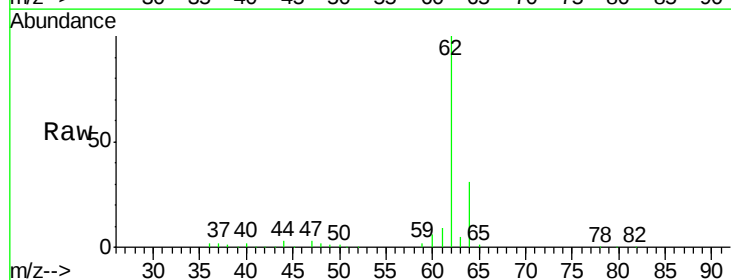
Acq: 6 Mar 2019 16:20

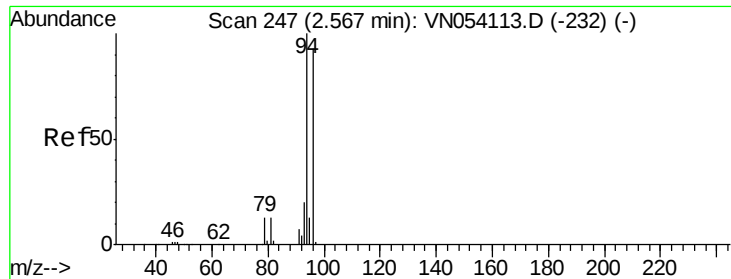
Tgt Ion: 62 Resp: 421288

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9





#5

Bromomethane

Concen: 48.873 ug/l

RT: 2.56 min Scan# 246

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

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ClientSampled :

ICVVN030619

Tot Ion: 94 Resp: 243248

Ion Ratio Lower Upper

94 100

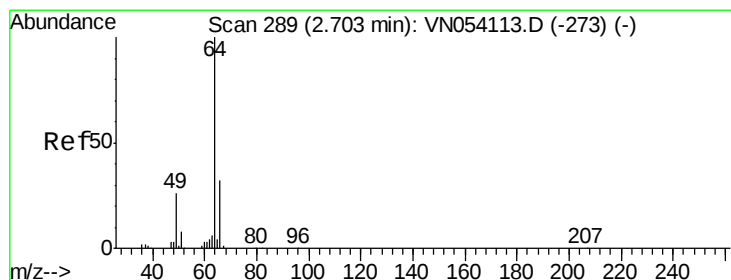
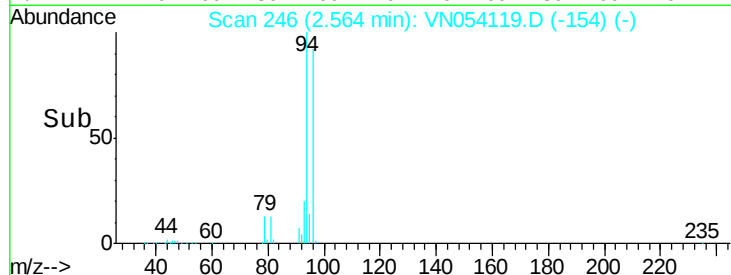
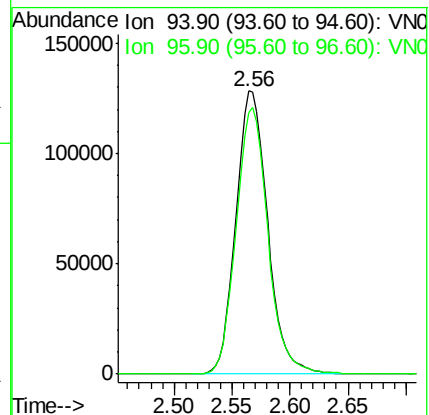
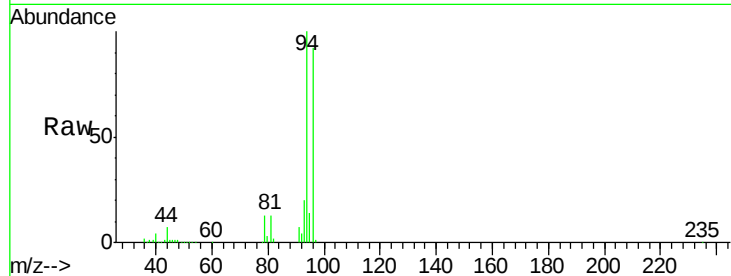
96 92.4 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 42.804 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN054119.D

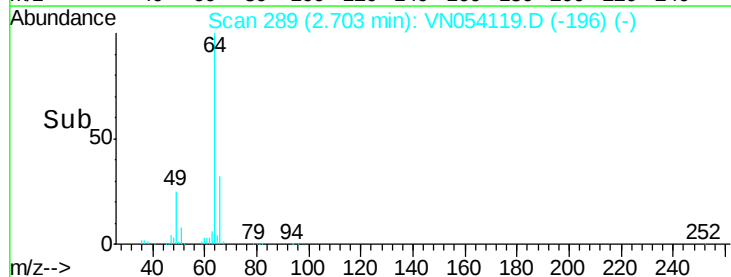
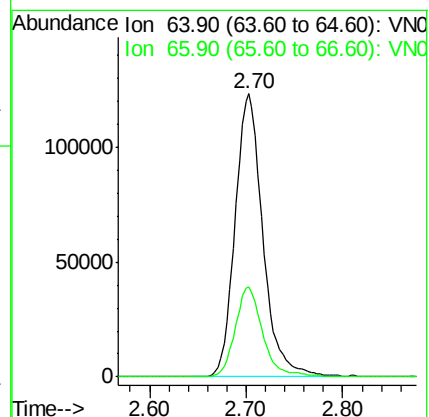
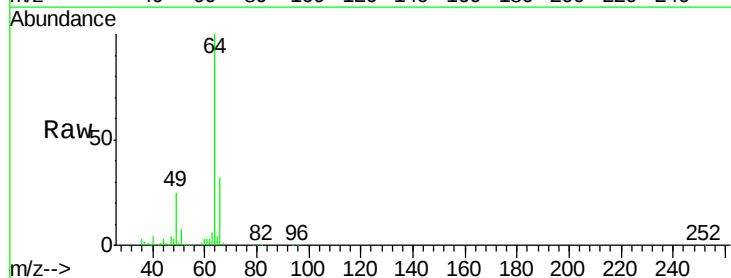
Acq: 6 Mar 2019 16:20

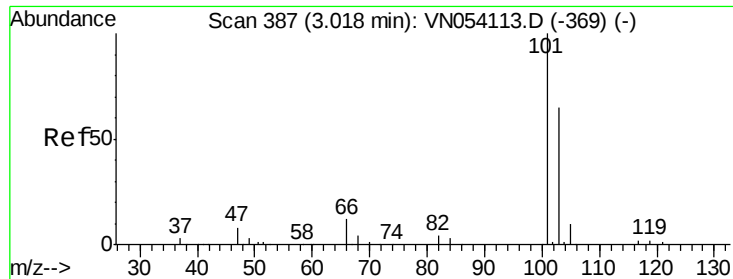
Tgt Ion: 64 Resp: 246158

Ion Ratio Lower Upper

64 100

66 32.1 25.4 38.2





#7

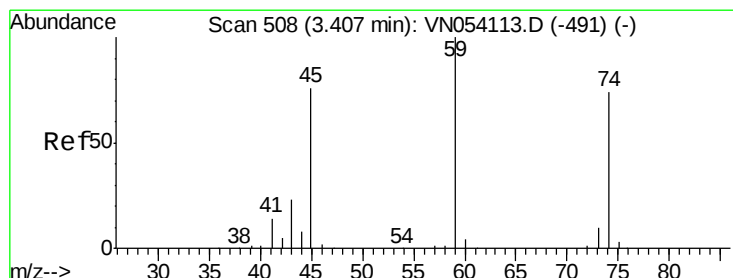
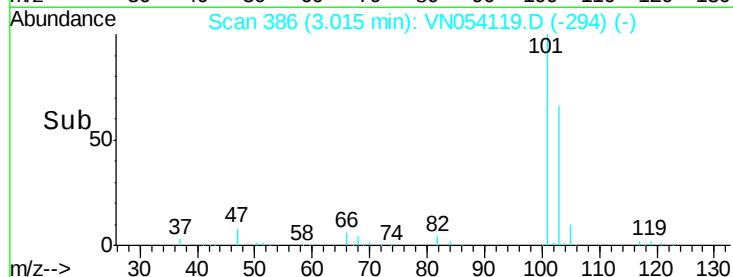
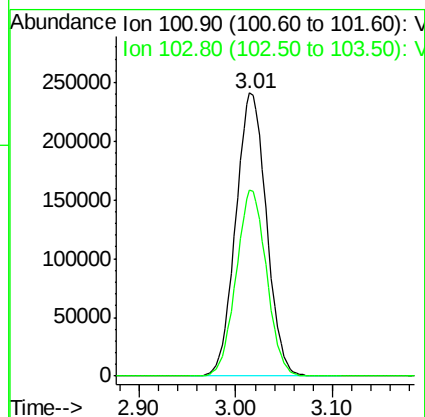
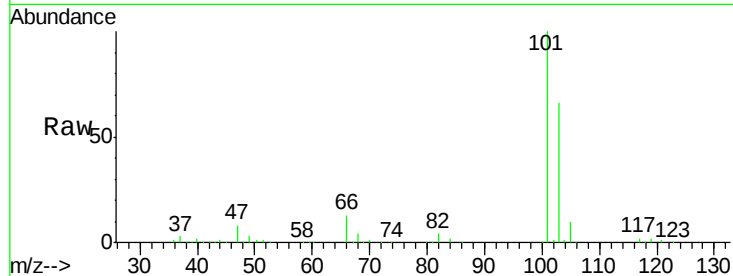
Trichlorofluoromethane
Concen: 45.724 ug/l
RT: 3.01 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion:101 Resp: 530007
Ion Ratio Lower Upper
101 100
103 65.6 52.0 78.0

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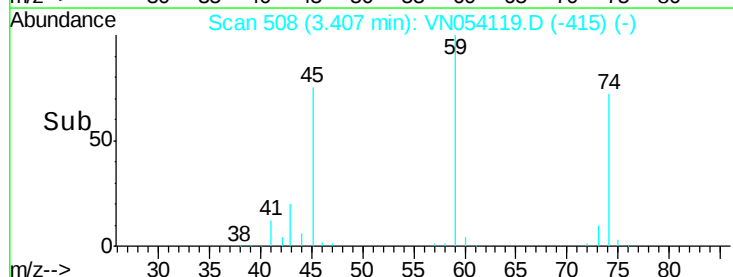
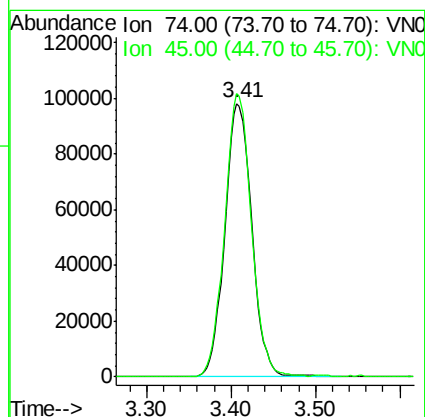
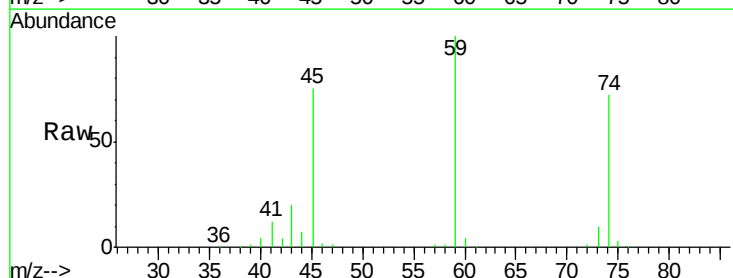
MMDadoda
3/7/2019 11:39:22 AM

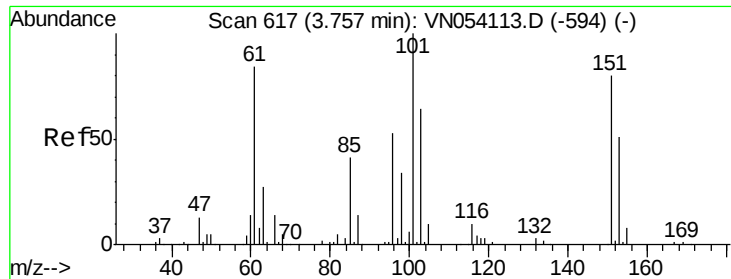


#8

Diethyl Ether
Concen: 47.347 ug/l
RT: 3.41 min Scan# 508
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 74 Resp: 218687
Ion Ratio Lower Upper
74 100
45 101.8 51.7 155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.803 ug/l

RT: 3.76 min Scan# 618

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

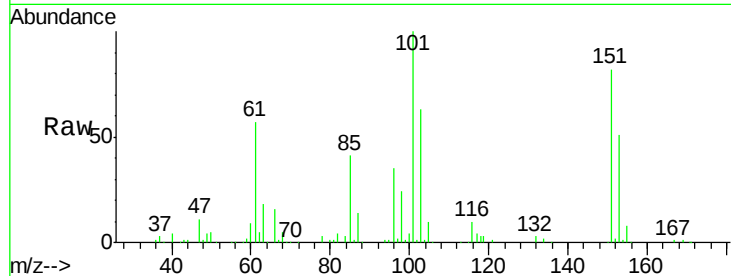
ClientSampled :

ICVVN030619

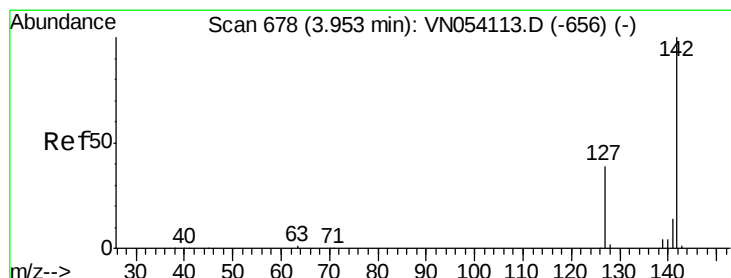
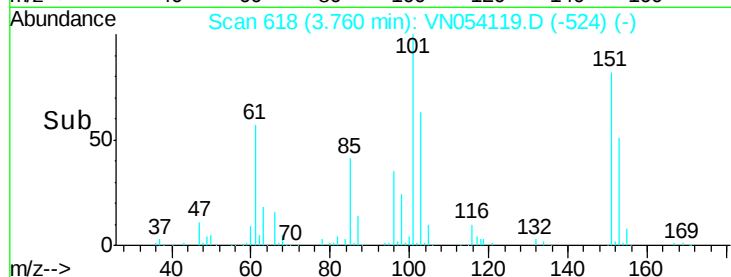
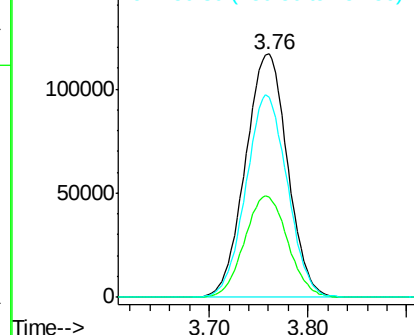
Tot Ion:	101	Resp:	345400
Ion Ratio	Lower	Upper	
101	100		
85	42.8	33.1	49.7
151	81.8	64.3	96.5

Manual Integrations
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MMDadoda
3/7/2019 11:39:22 AM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 46.200 ug/l

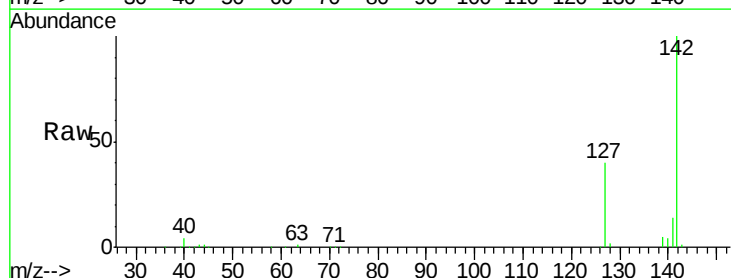
RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

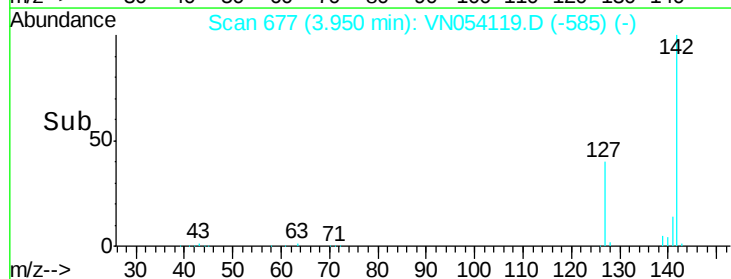
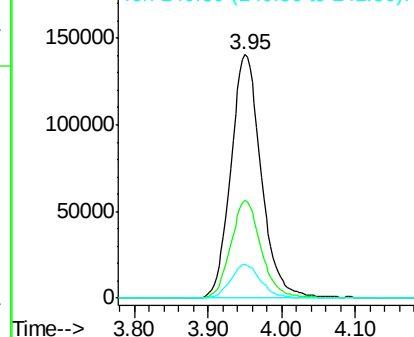
Lab File: VN054119.D

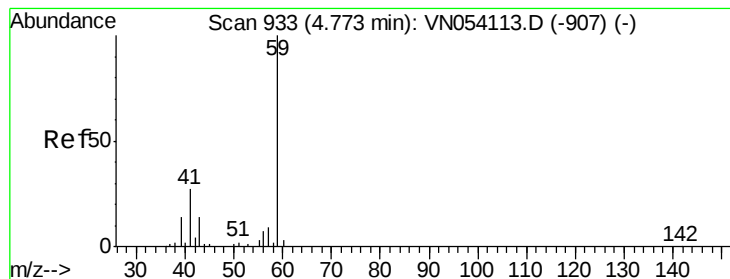
Acq: 6 Mar 2019 16:20

Tgt Ion:	142	Resp:	402620
Ion Ratio	Lower	Upper	
142	100		
127	39.9	31.9	47.9
141	13.8	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

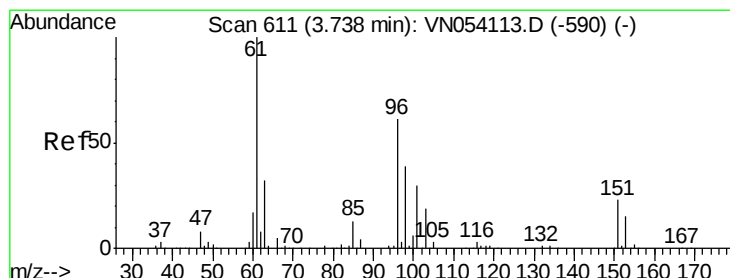
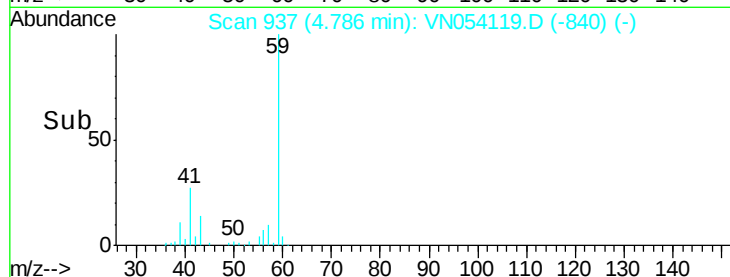
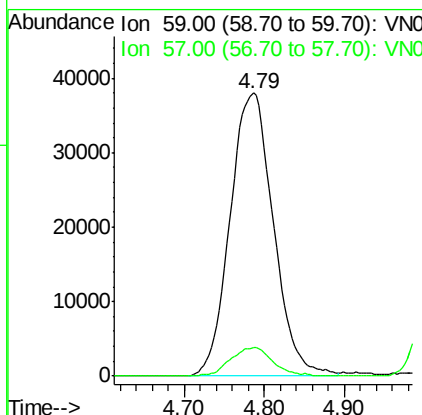
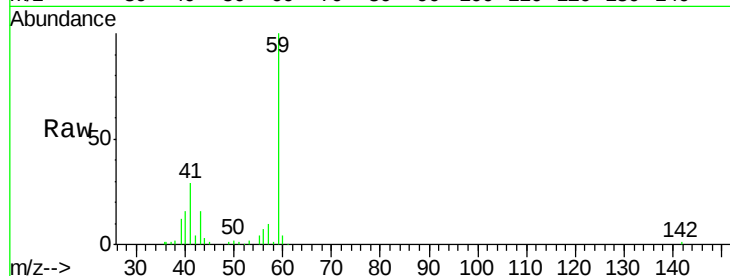
Tert butyl alcohol
 Concen: 263.396 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.2	12.4

Manual Integrations
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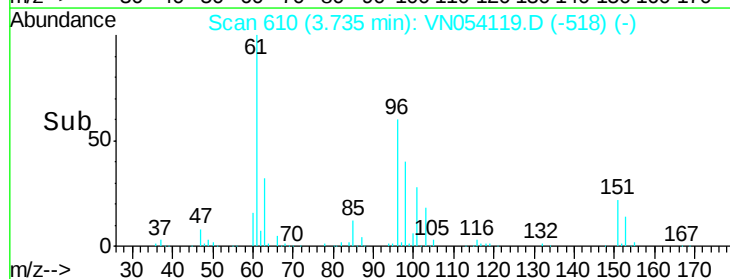
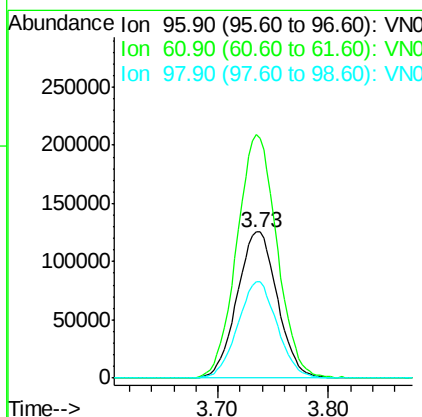
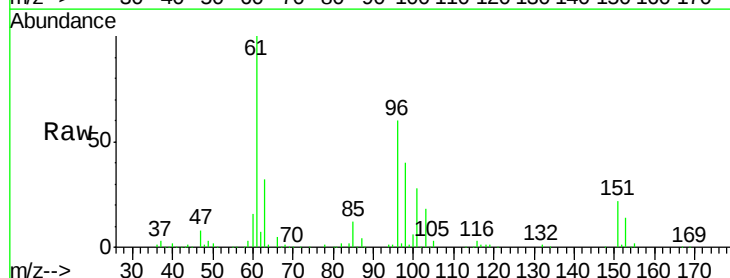
MMDadoda
 3/7/2019 11:39:22 AM

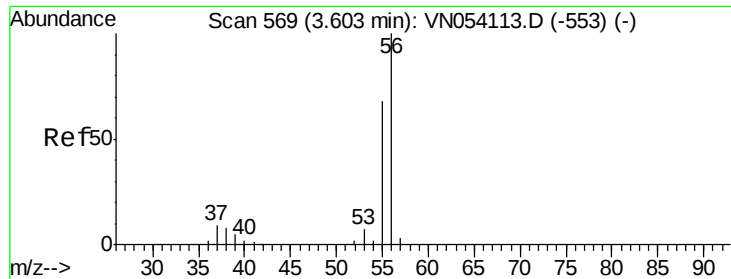


#12

1,1-Dichloroethene
 Concen: 45.182 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.3	131.2	196.8
98	66.1	50.7	76.1





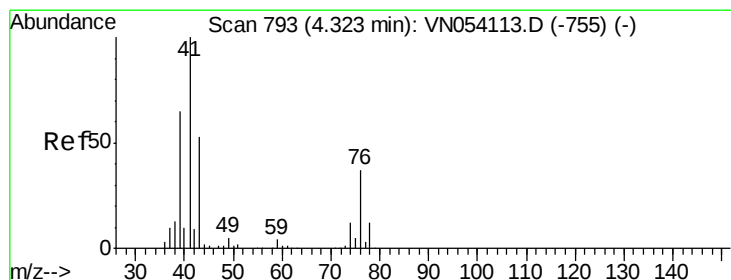
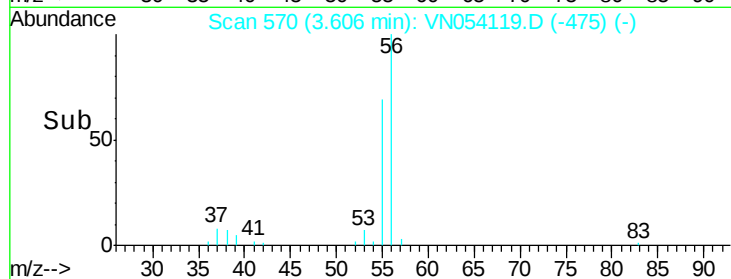
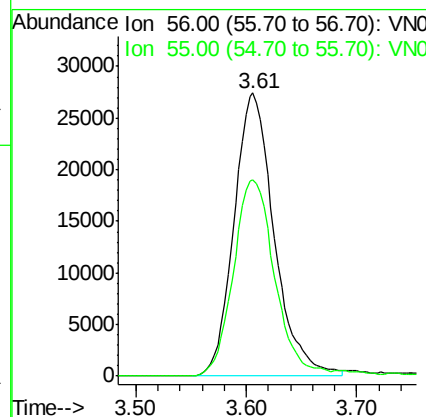
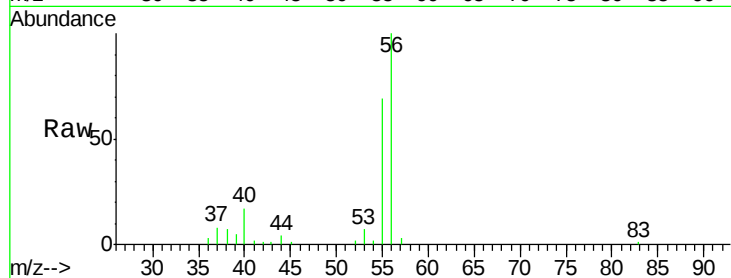
#13
Acrolein
Concen: 146.491 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tot Ion	56	Resp	69331
Ion Ratio	100	Lower	Upper
55	71.0	57.1	85.7

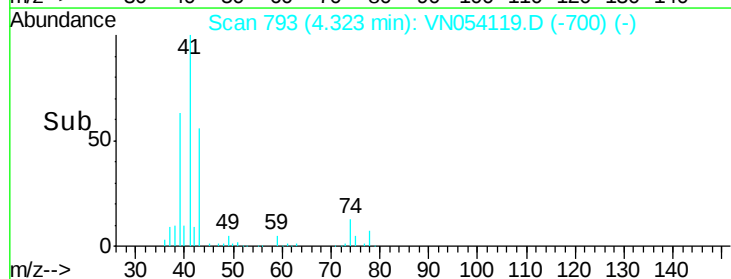
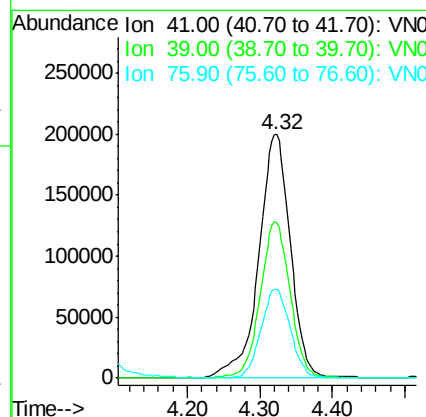
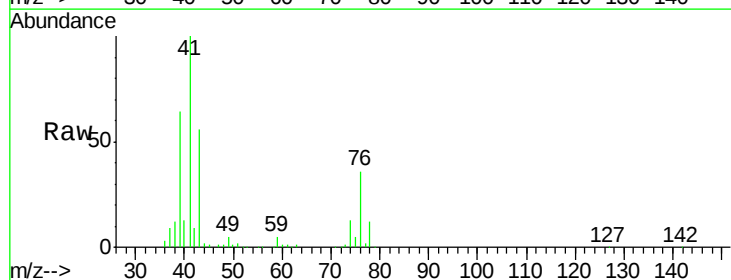
Manual Integrations
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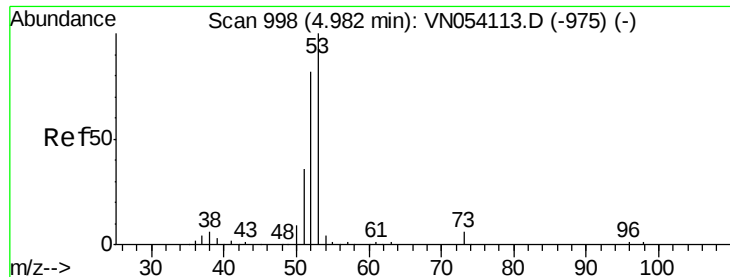
MMDadoda
3/7/2019 11:39:22 AM



#14
Allyl chloride
Concen: 47.767 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	41	Resp	605484
Ion Ratio	100	Lower	Upper
39	61.0	49.3	73.9
76	33.5	26.5	39.7





#15

Acrylonitrile

Concen: 240.855 ug/l

RT: 4.98 min Scan# 998

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

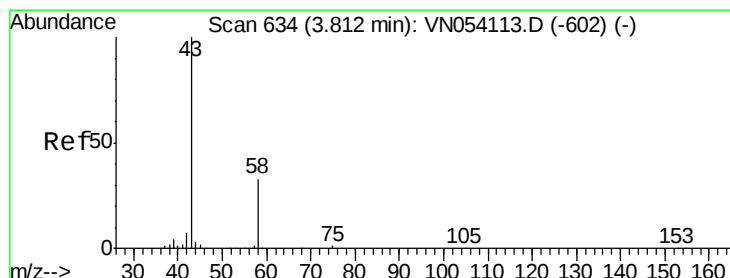
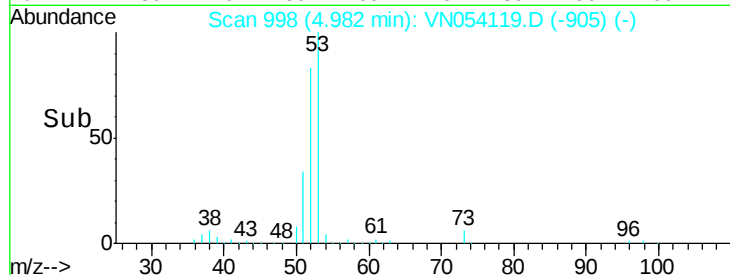
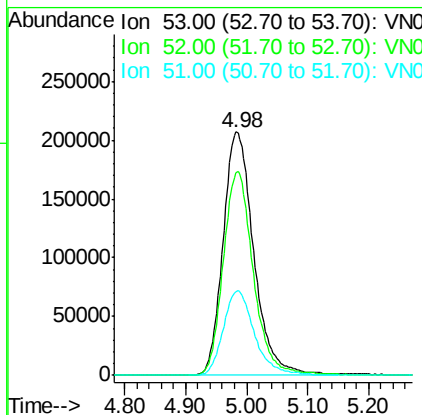
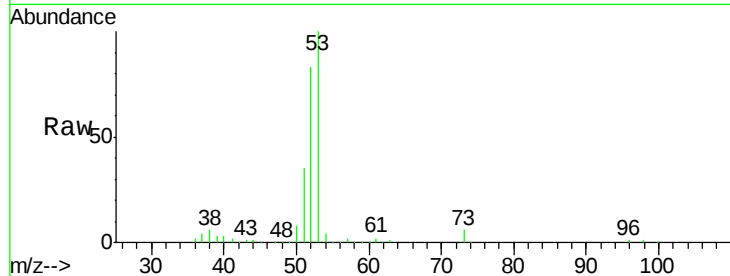
ClientSampled :

ICVVN030619

Tot Ion:	53	Resp:	723752
Ion Ratio	Lower	Upper	
53	100		
52	82.1	64.6	97.0
51	35.4	28.6	42.8

Manual Integrations
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3/7/2019 11:39:22 AM



#16

Acetone

Concen: 257.576 ug/l

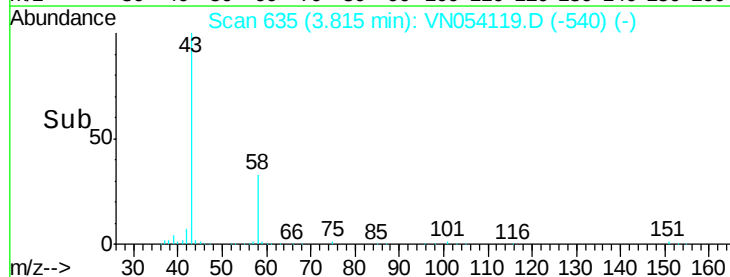
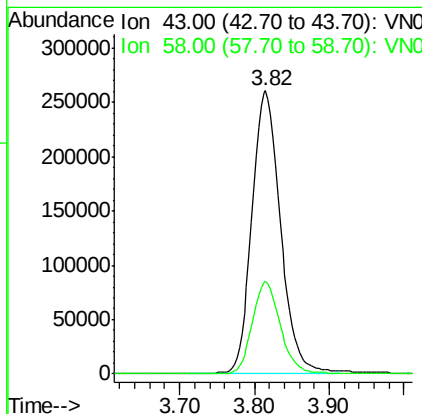
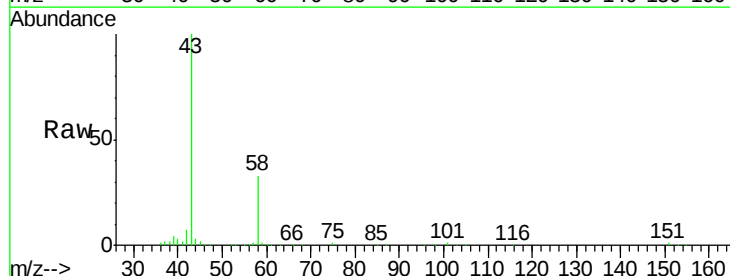
RT: 3.82 min Scan# 635

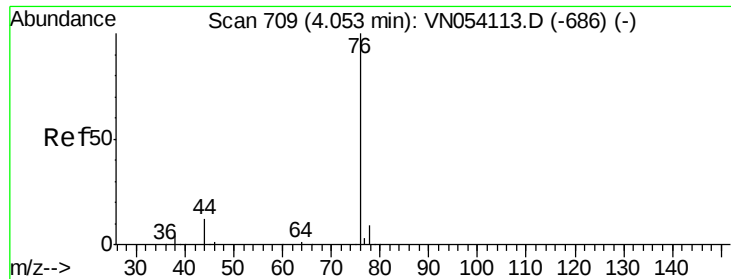
Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	43	Resp:	694205
Ion Ratio	Lower	Upper	
43	100		
58	32.7	26.5	39.7





#17

Carbon Disulfide

Concen: 47.465 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

Tot Ion: 76 Resp: 964310

Ion Ratio Lower Upper

76 100

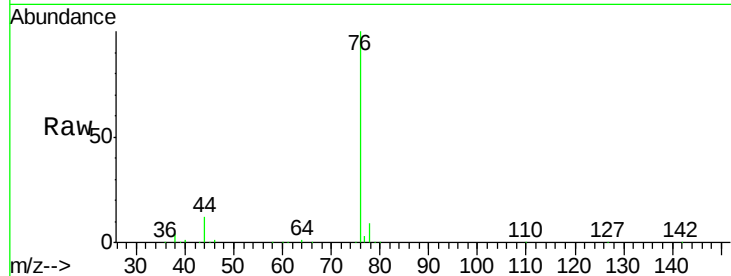
78 9.1 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

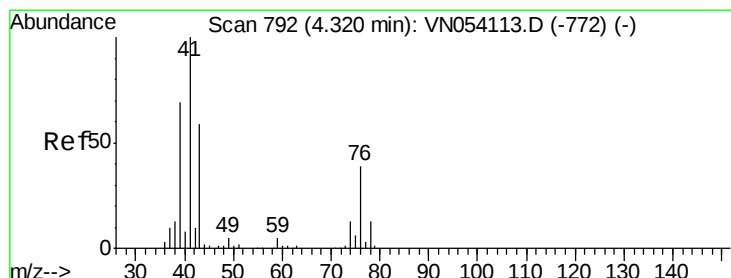
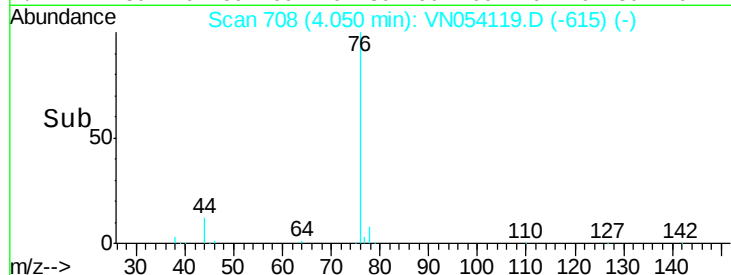
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 51.048 ug/l

RT: 4.32 min Scan# 793

Delta R.T. 0.00 min

Lab File: VN054119.D

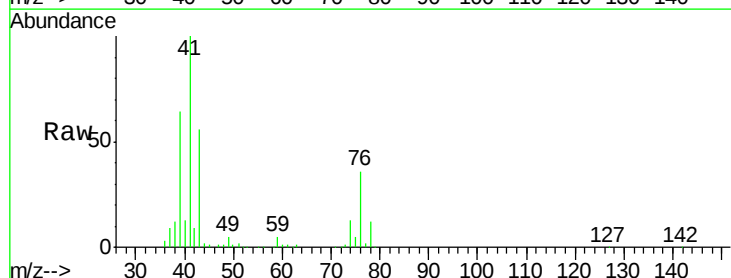
Acq: 6 Mar 2019 16:20

Tgt Ion: 43 Resp: 323451

Ion Ratio Lower Upper

43 100

74 22.7 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC

4.32

120000

100000

80000

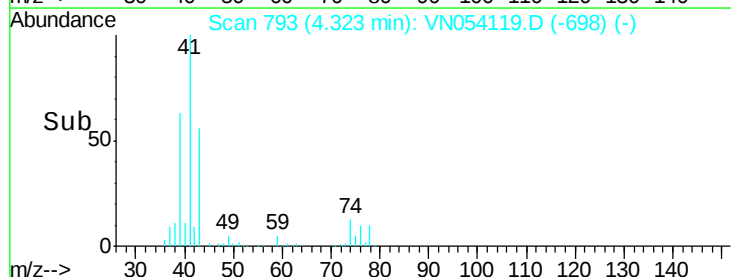
60000

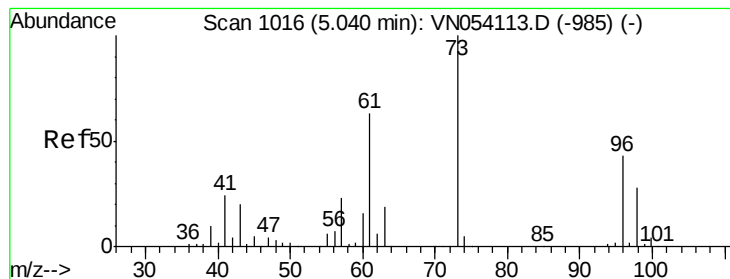
40000

20000

0

Time-->





#19

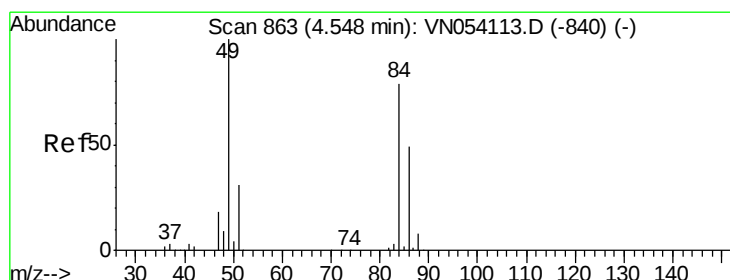
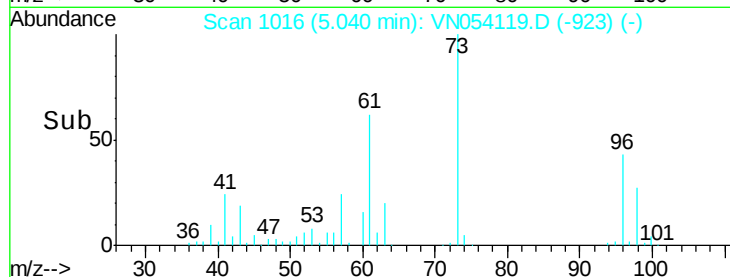
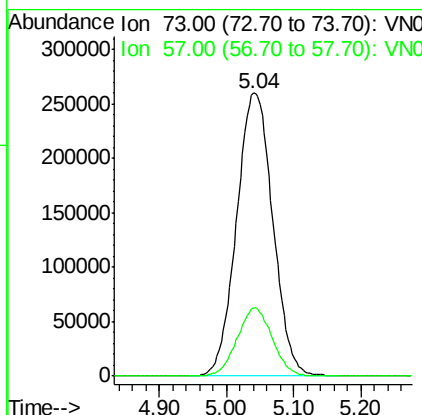
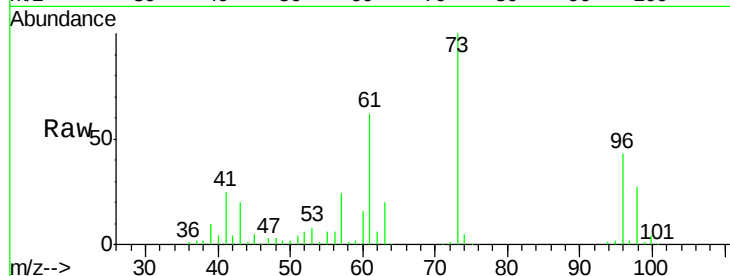
Methyl tert-butyl Ether
 Concen: 49.291 ug/l
 RT: 5.04 min Scan# 1016
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

Tot Ion: 73 Resp: 973166
 Ion Ratio Lower Upper
 73 100
 57 24.0 18.2 27.4

Manual Integrations
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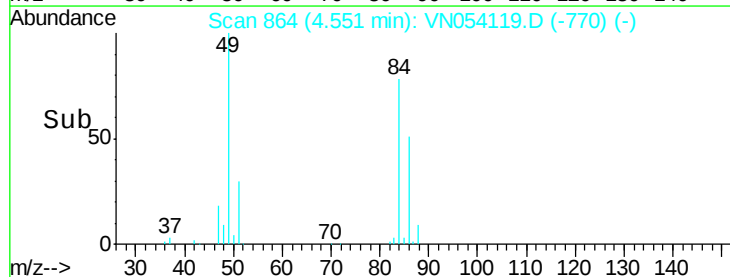
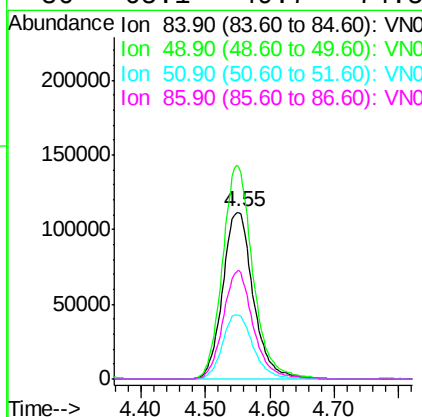
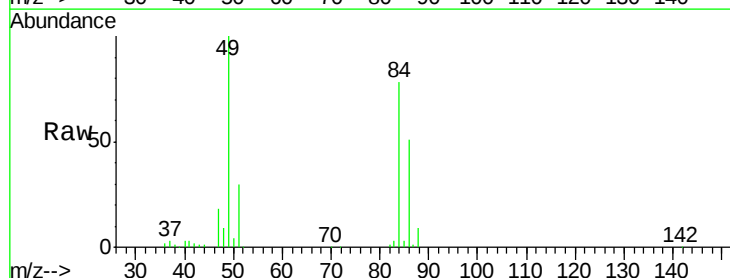
MMDadoda
 3/7/2019 11:39:22 AM

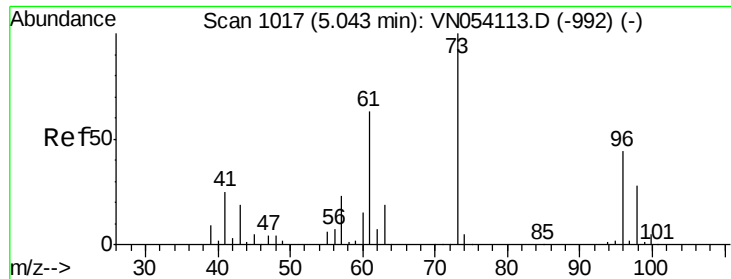


#20

Methylene Chloride
 Concen: 48.188 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 84 Resp: 368326
 Ion Ratio Lower Upper
 84 100
 49 127.3 101.8 152.8
 51 38.2 31.1 46.7
 86 65.1 49.7 74.5





#21

trans-1,2-Dichloroethene

Concen: 45.245 ug/l

RT: 5.04 min Scan# 1016

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

Tot Ion: 96 Resp: 349419

Ion Ratio Lower Upper

96 100

61 143.8 114.8 172.2

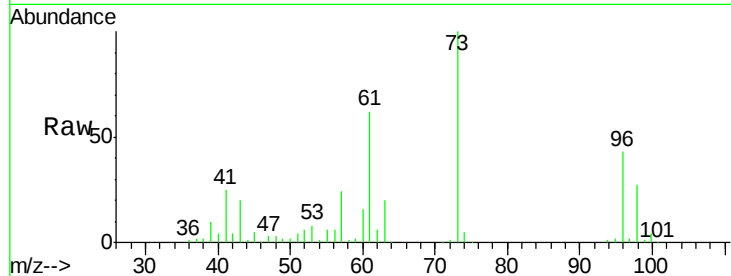
98 62.1 51.4 77.0

Manual Integrations

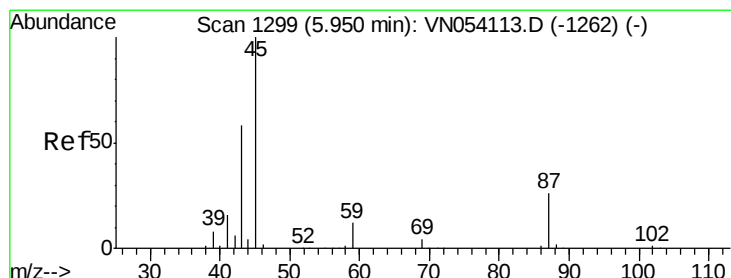
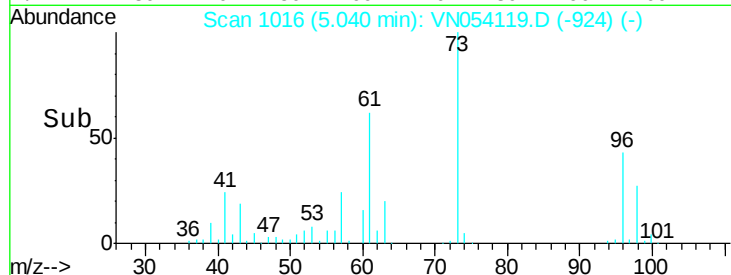
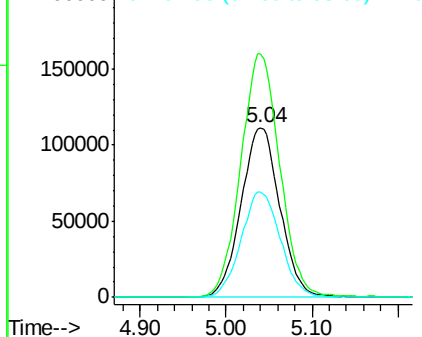
APPROVED

MMDadoda

3/7/2019 11:39:22 AM



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



#22

Diisopropyl ether

Concen: 49.472 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion: 45 Resp: 1221834

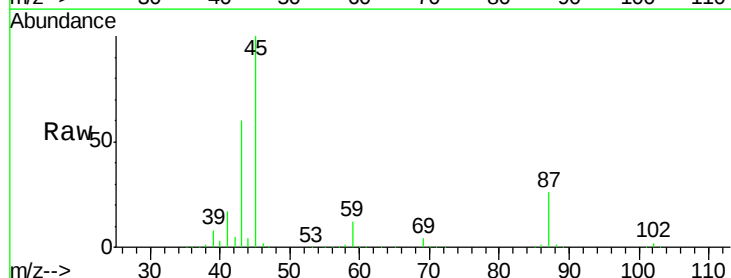
Ion Ratio Lower Upper

45 100

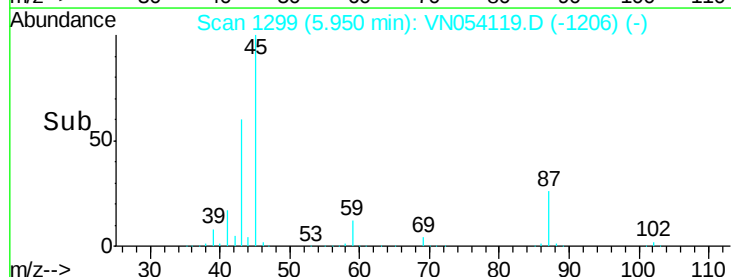
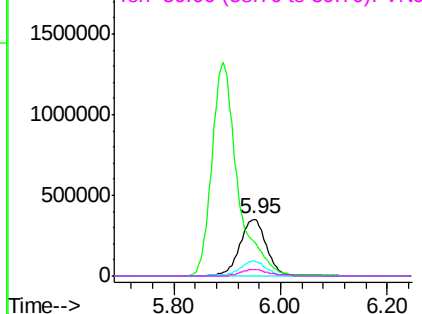
43 59.2 46.2 69.4

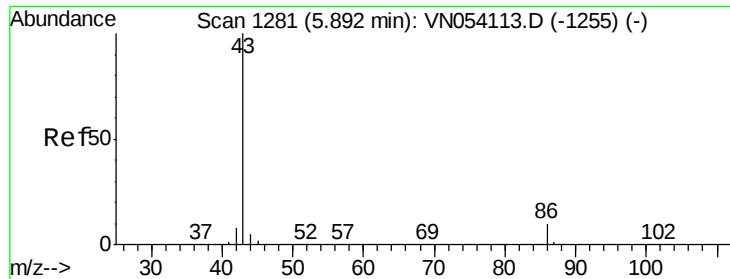
87 26.1 20.6 31.0

59 11.4 9.4 14.0



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 253.492 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

Tot Ion: 43 Resp: 4447135

Ion Ratio Lower Upper

43 100

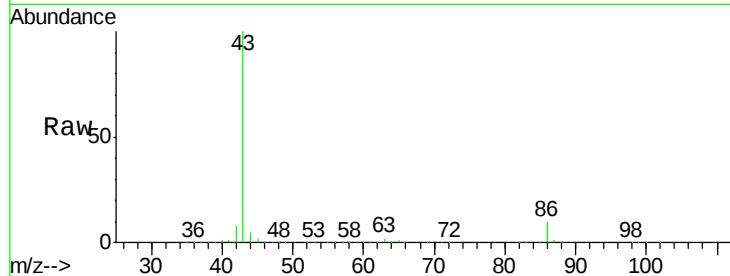
86 9.5 7.8 11.8

Manual Integrations

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MMDadoda

3/7/2019 11:39:22 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

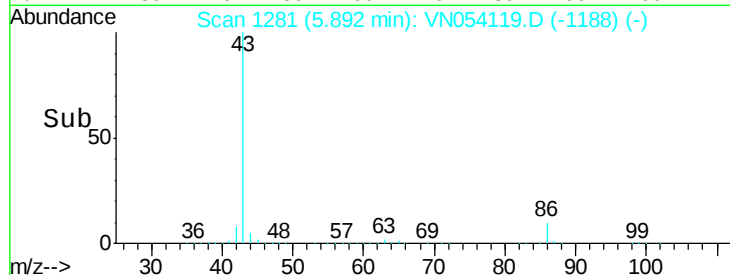
1500000

1000000

500000

0

Time-->



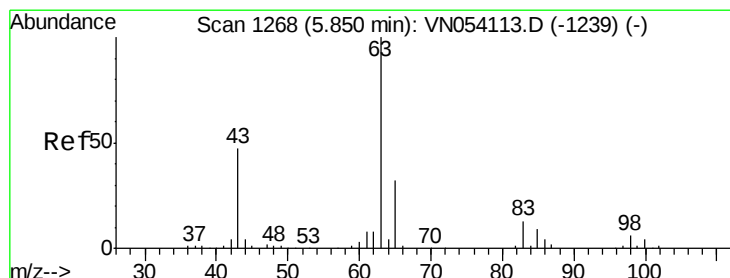
5.89

5.80

5.90

6.00

6.10



#24

1,1-Dichloroethane

Concen: 46.152 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

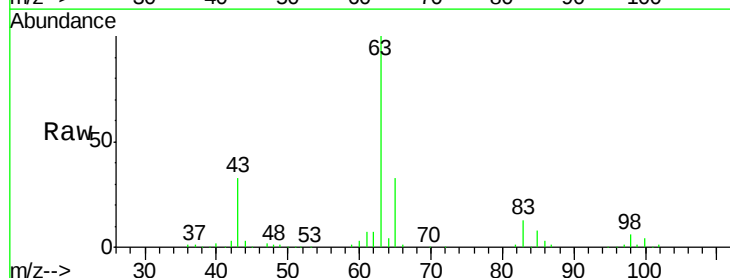
Tgt Ion: 63 Resp: 681961

Ion Ratio Lower Upper

63 100

98 6.3 3.1 9.4

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

250000

200000

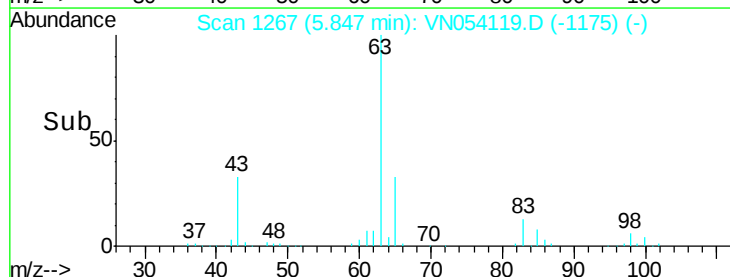
150000

100000

50000

0

Time-->

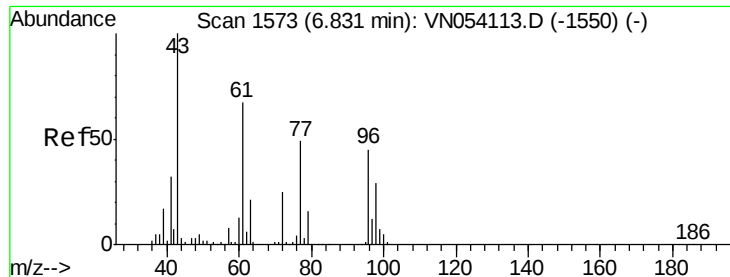


5.85

5.80

5.90

6.00



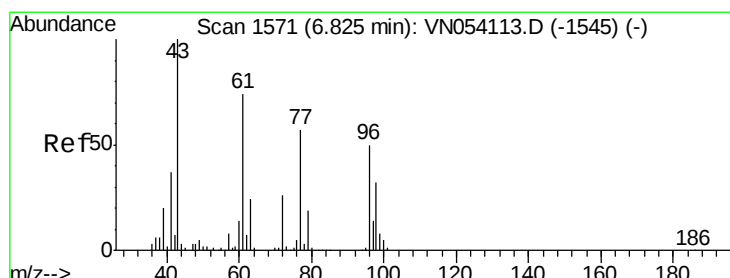
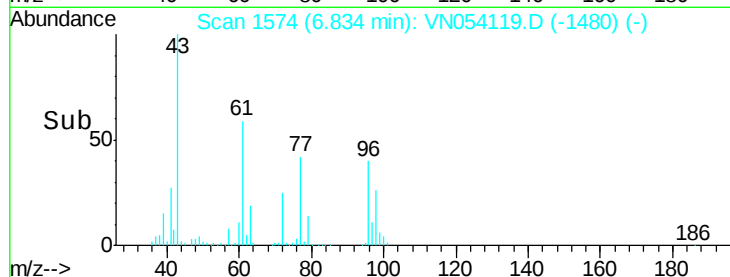
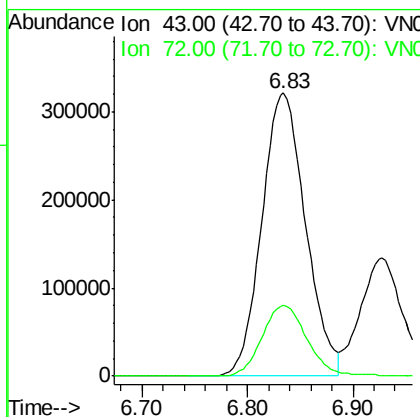
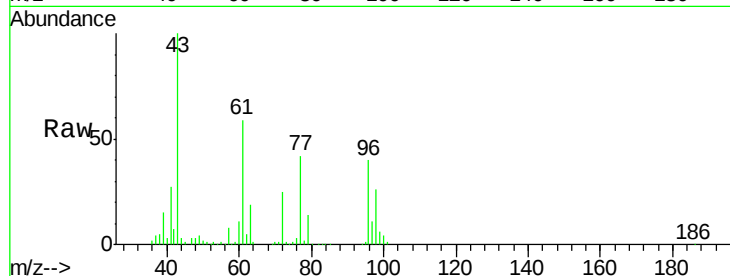
#25
2-Butanone
Concen: 257.465 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion: 43 Resp: 923240
Ion Ratio Lower Upper
43 100
72 25.2 20.2 30.2

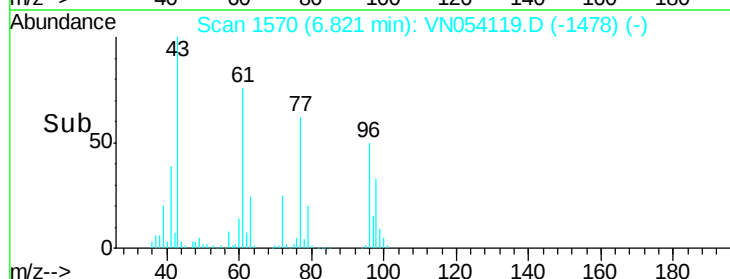
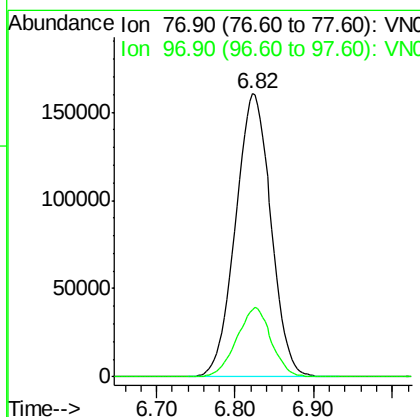
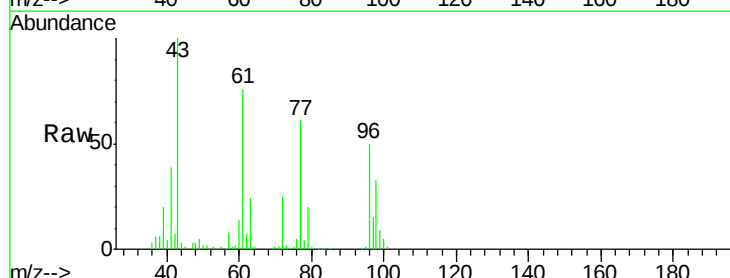
Manual Integrations
APPROVED

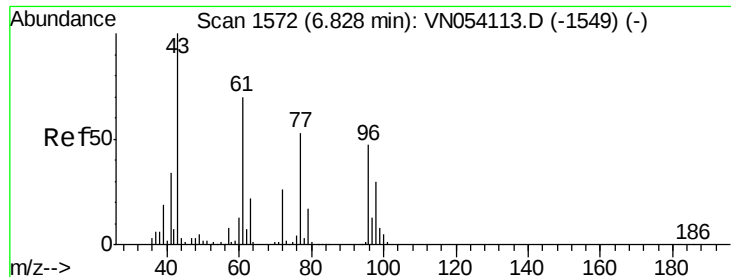
MMDadoda
3/7/2019 11:39:22 AM



#26
2,2-Dichloropropane
Concen: 47.430 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 77 Resp: 505147
Ion Ratio Lower Upper
77 100
97 23.9 11.8 35.3





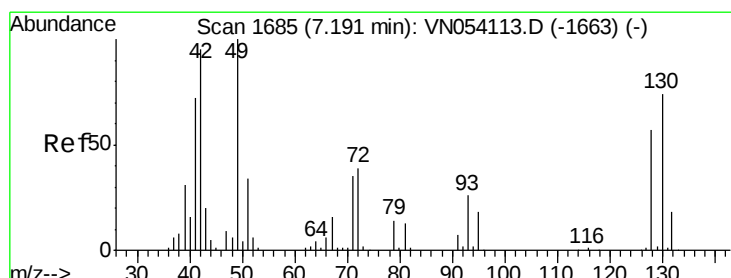
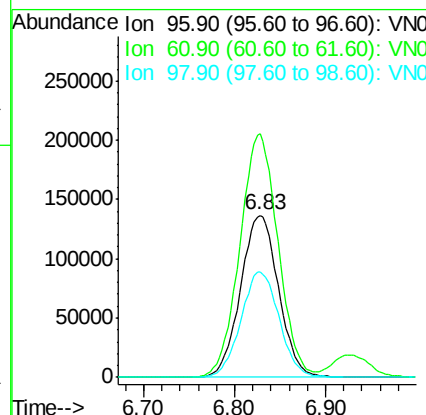
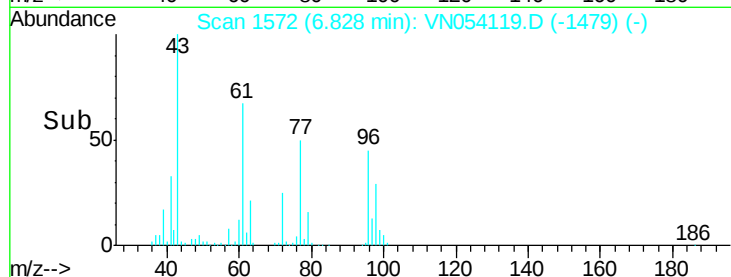
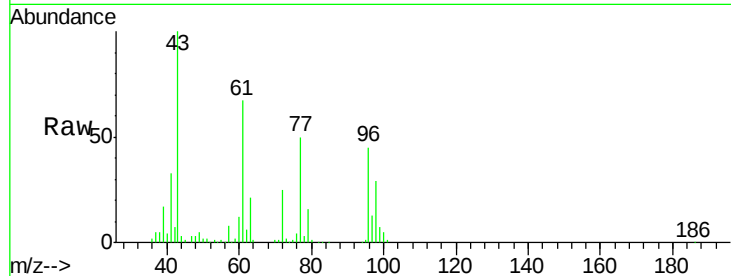
#27
 cis-1,2-Dichloroethene
 Concen: 46.127 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	150.4	0.0	297.0	
98	65.4	0.0	129.4	

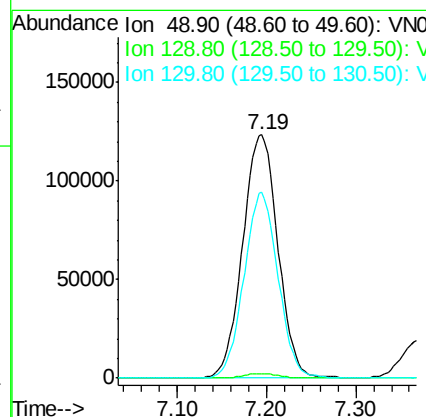
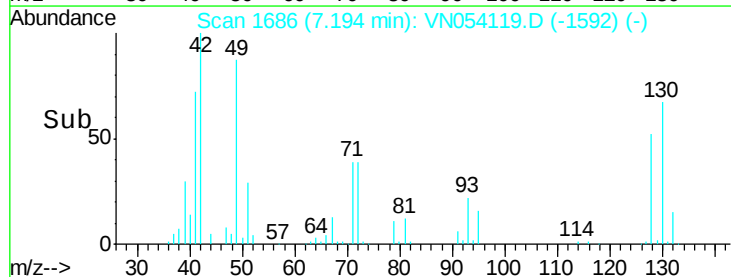
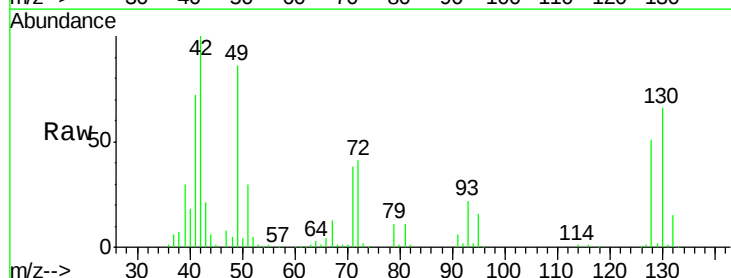
Manual Integrations
 APPROVED

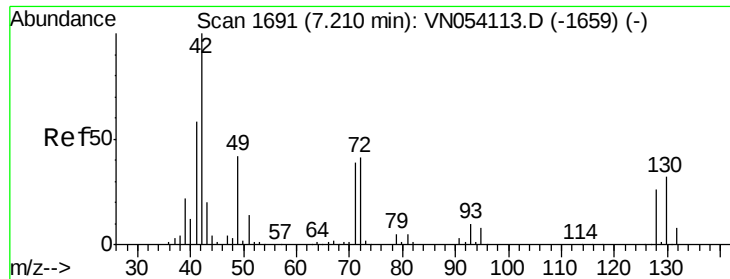
MMDadoda
 3/7/2019 11:39:22 AM



#28
 Bromochloromethane
 Concen: 45.996 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.9	0.0	3.8	
130	73.9	59.4	89.2	





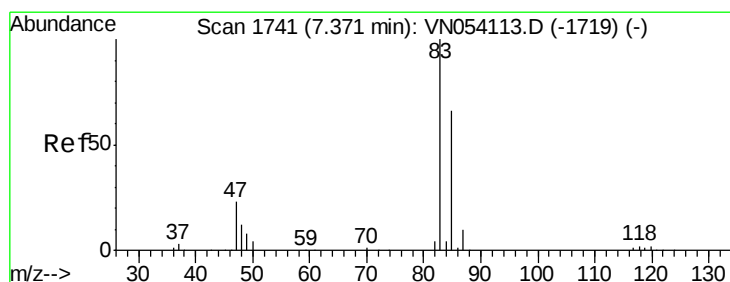
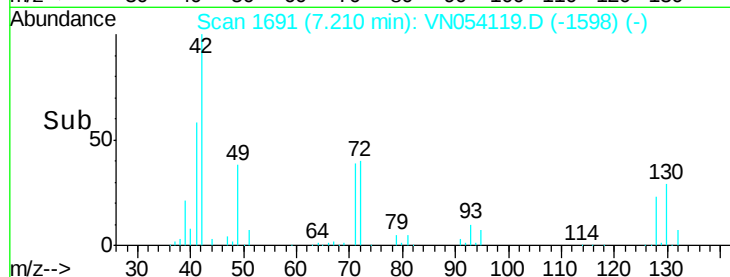
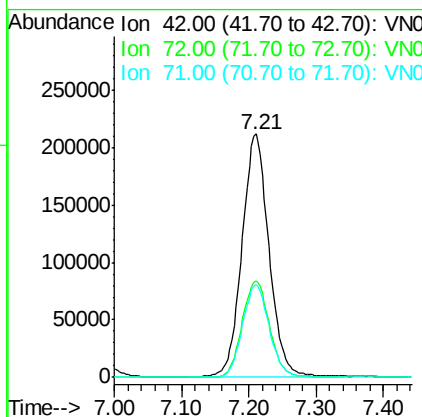
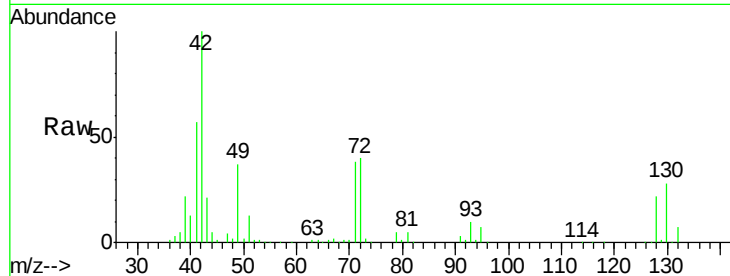
#29
Tetrahydrofuran
Concen: 250.663 ug/l
RT: 7.21 min Scan# 1691
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.8	49.2
71	37.9	30.5	45.7

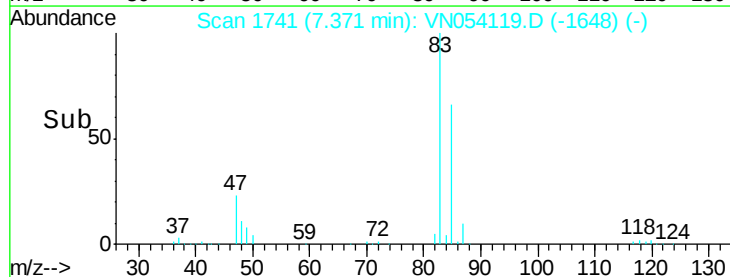
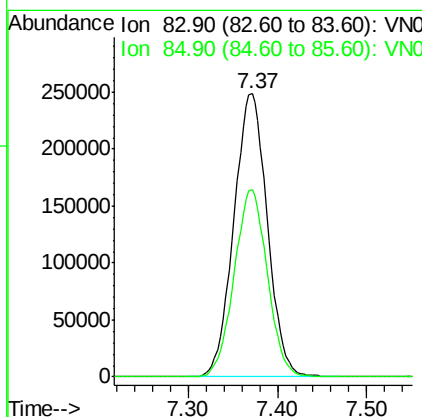
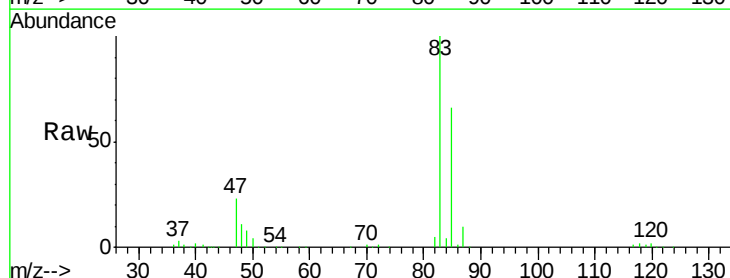
Manual Integrations
APPROVED

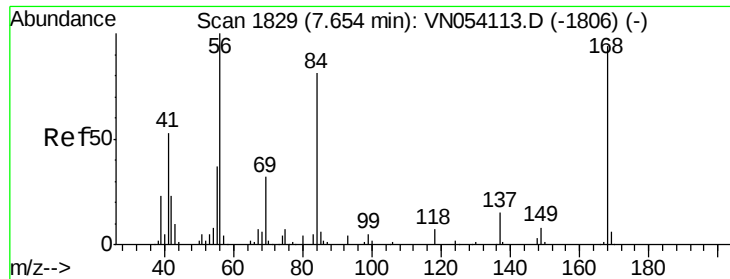
MMDadoda
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#30
Chloroform
Concen: 45.791 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	53.1	79.7





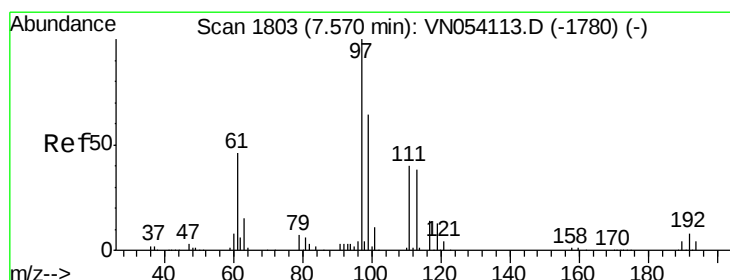
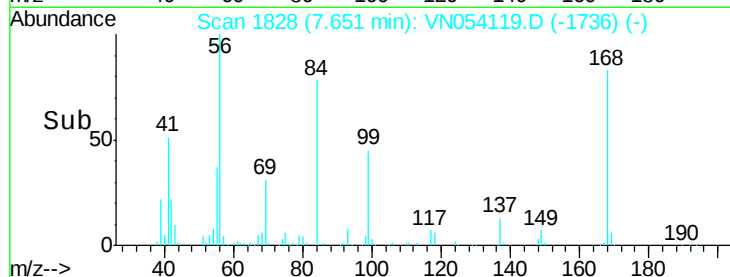
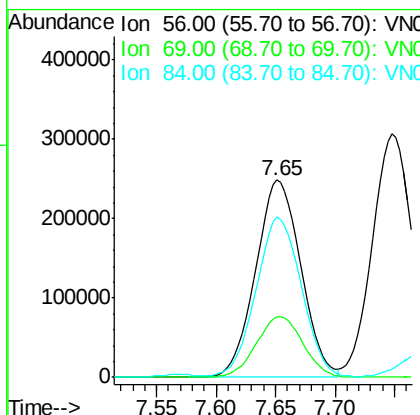
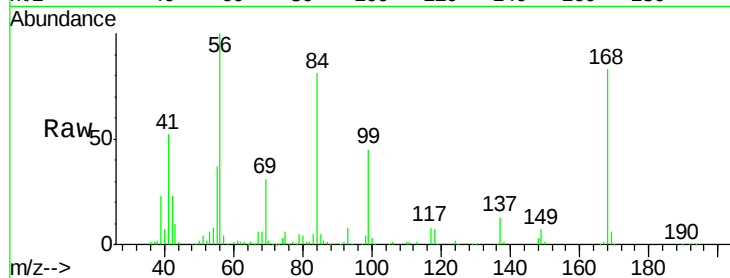
#31
Cyclohexane
Concen: 49.764 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.5	38.3
84	80.0	64.5	96.7

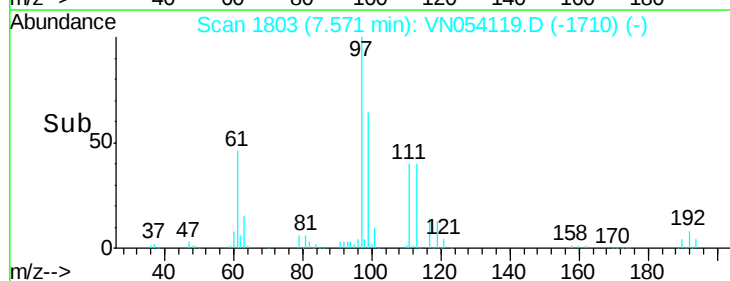
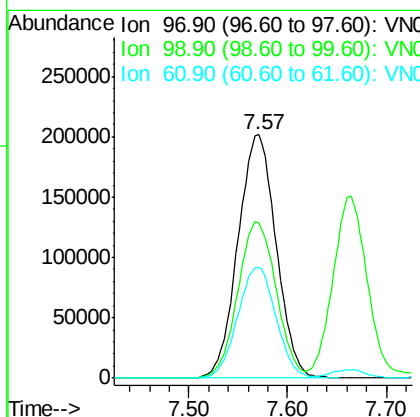
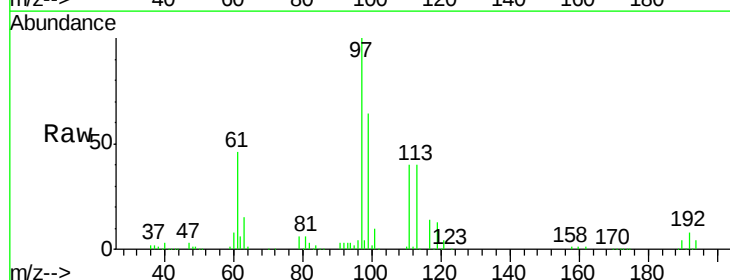
Manual Integrations
APPROVED

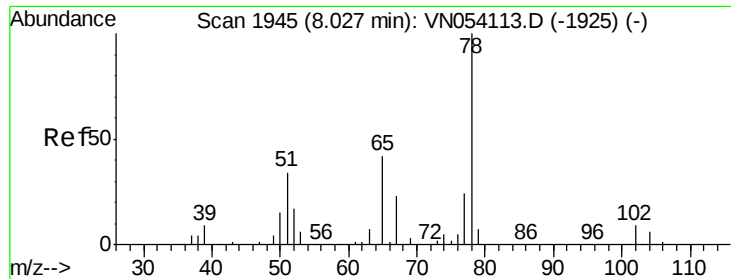
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 46.000 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	45.8	37.1	55.7





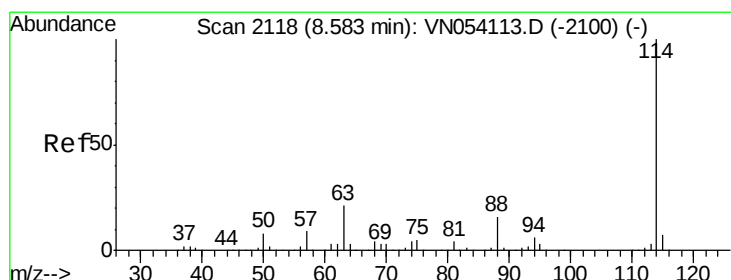
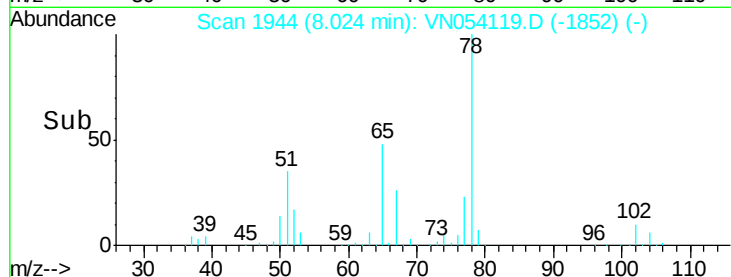
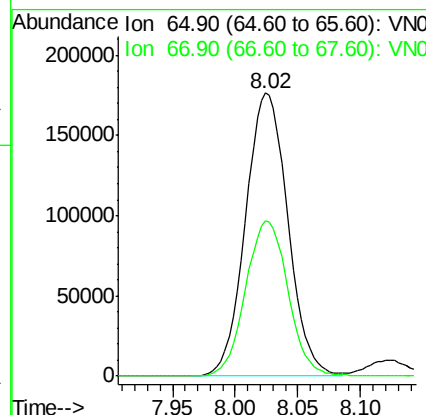
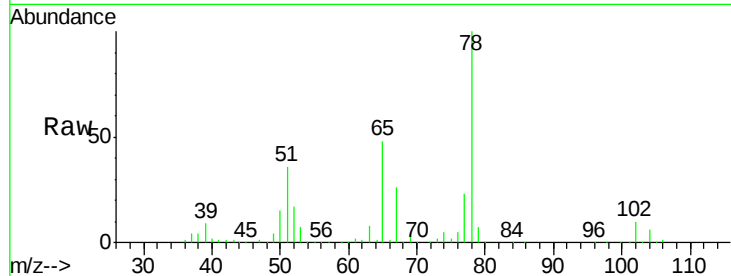
#33
 1,2-Dichloroethane-d4
 Concen: 47.360 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.1	0.0	109.6	

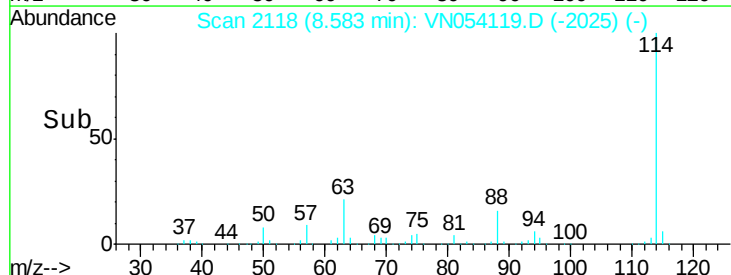
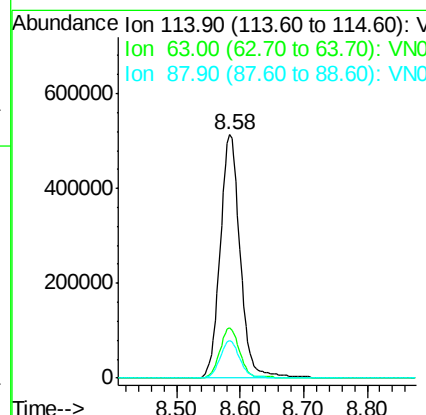
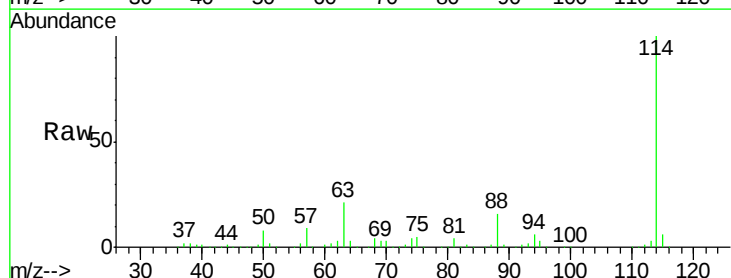
Manual Integrations
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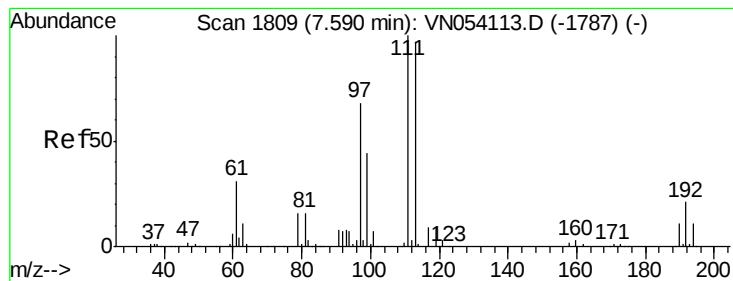
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.6	0.0	42.6	
88	15.5	0.0	31.8	





#35

Dibromofluoromethane

Concen: 50.451 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

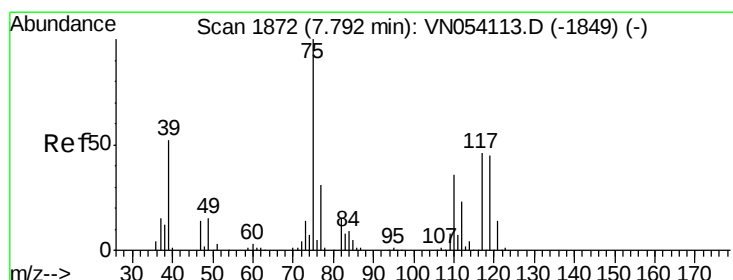
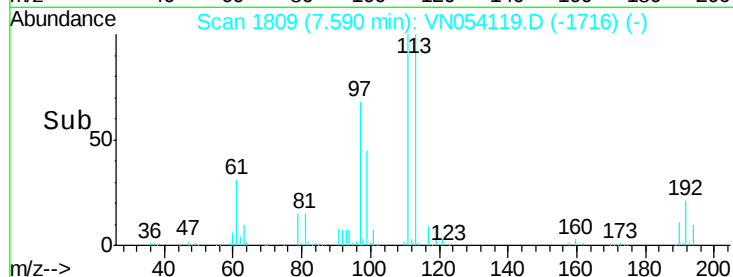
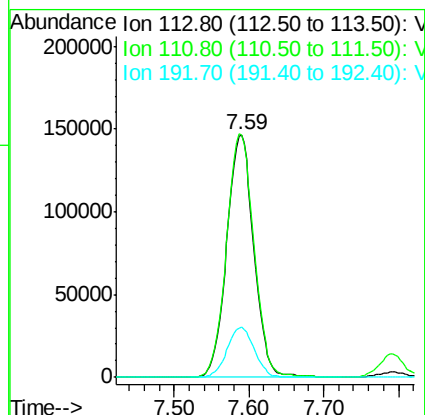
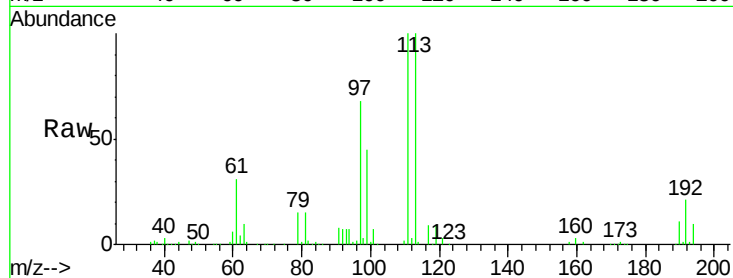
ClientSampleId :

ICVVN030619

Tot Ion:	113	Resp:	366424
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.1	123.1
192	20.9	17.4	26.0

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 49.274 ug/l

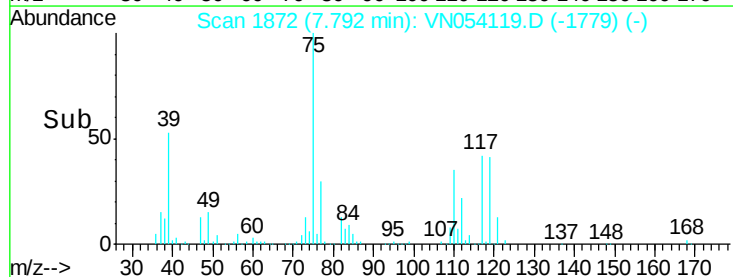
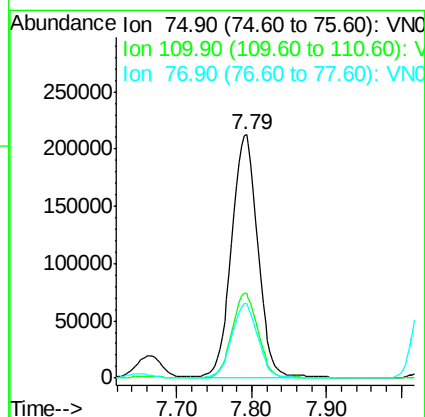
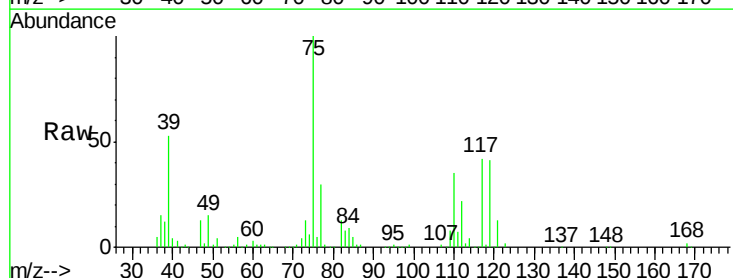
RT: 7.79 min Scan# 1872

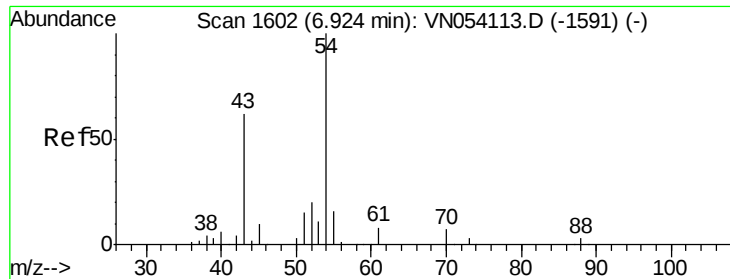
Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	75	Resp:	517195
Ion Ratio	Lower	Upper	
75	100		
110	34.7	18.0	54.0
77	30.9	25.3	37.9





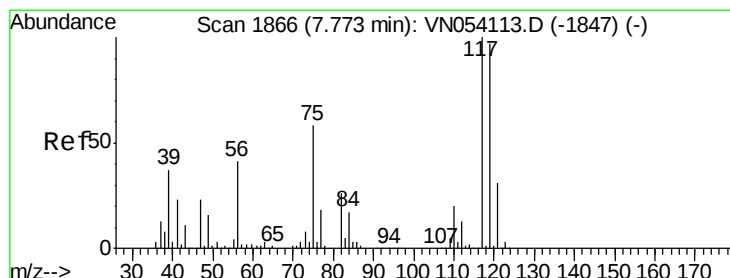
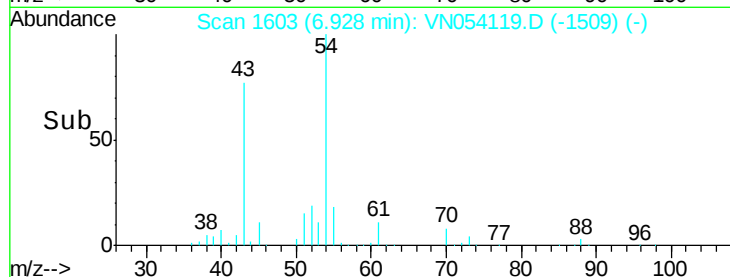
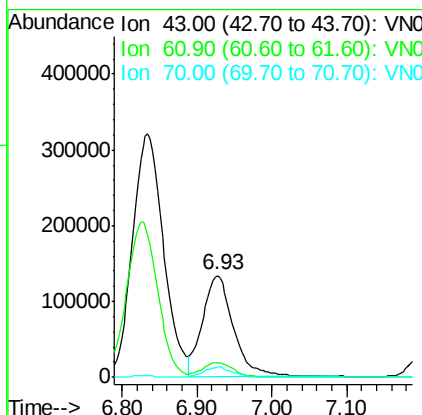
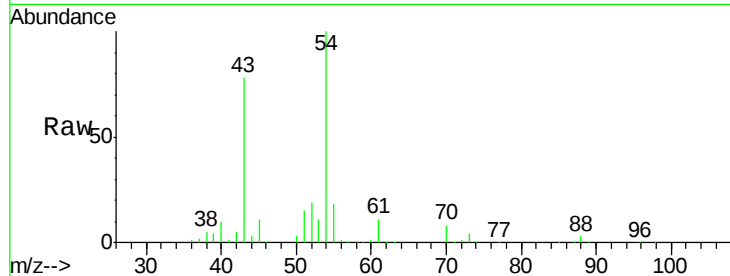
#37
Ethyl Acetate
Concen: 50.680 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	9.2	7.6	11.4

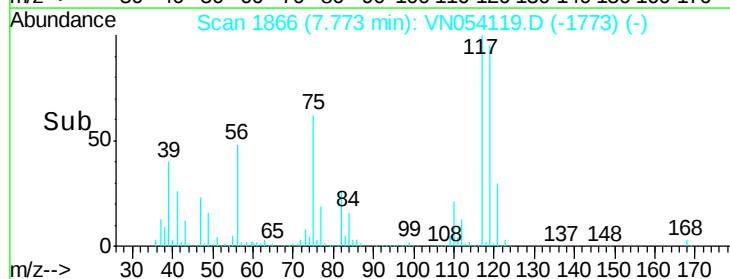
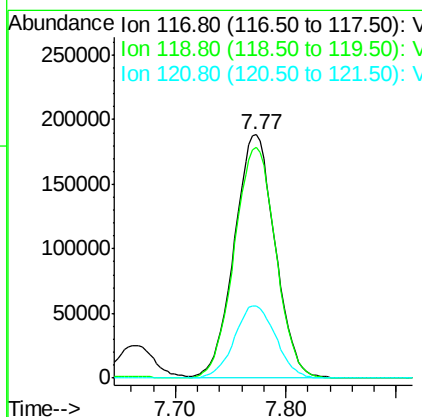
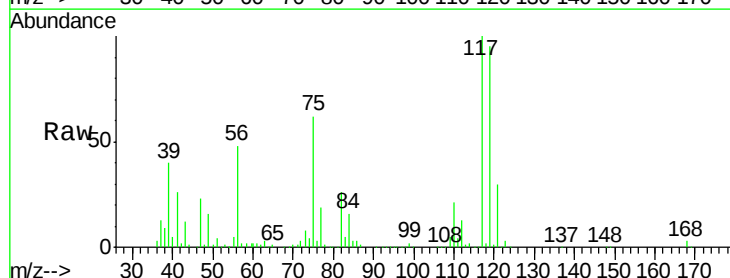
Manual Integrations
APPROVED

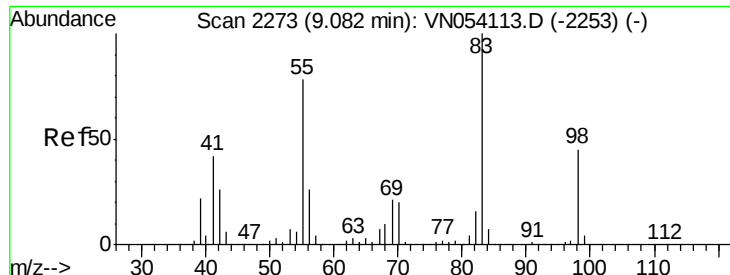
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#38
Carbon Tetrachloride
Concen: 47.786 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.6
121	29.6	24.3	36.5





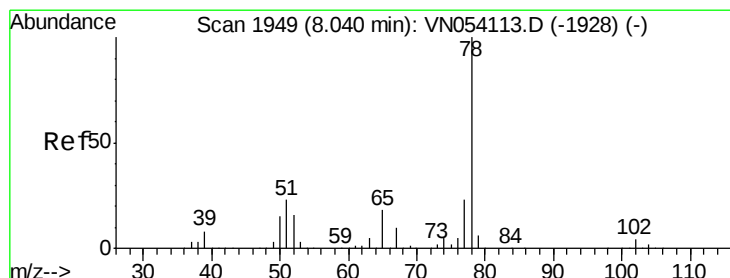
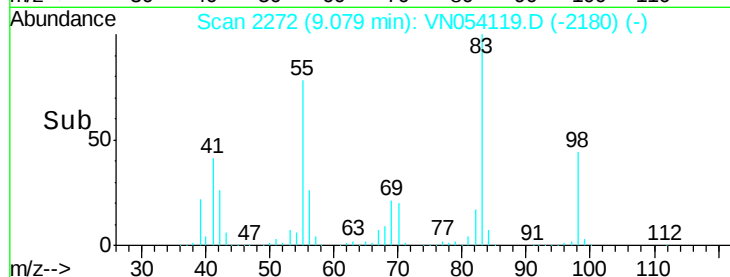
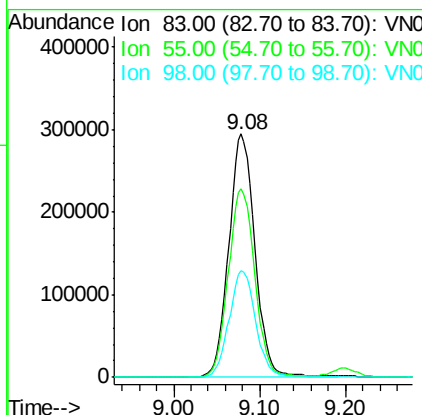
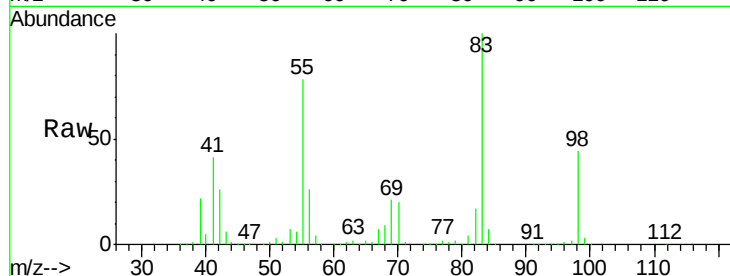
#39
Methvlcvclohexane
Concen: 51.576 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.6	62.1	93.1
98	43.8	36.0	54.0

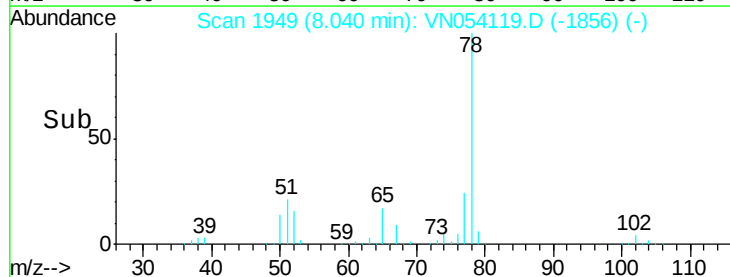
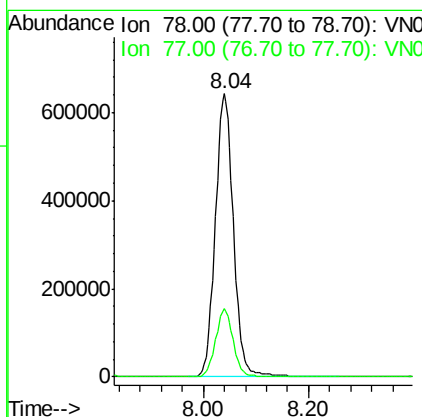
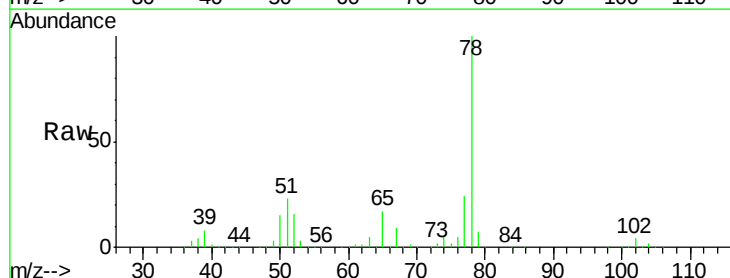
Manual Integrations
APPROVED

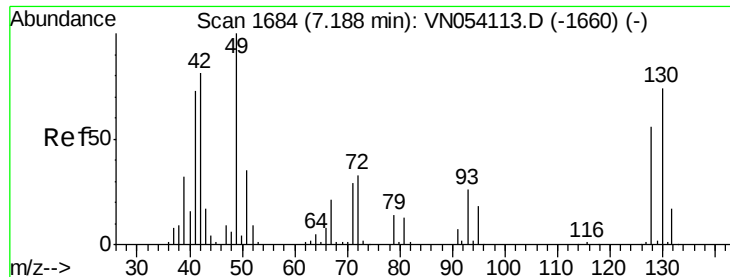
MMDadoda
3/7/2019 11:39:22 AM



#40
Benzene
Concen: 49.095 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.7	28.1





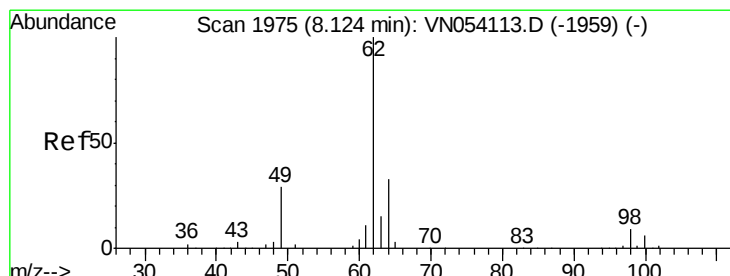
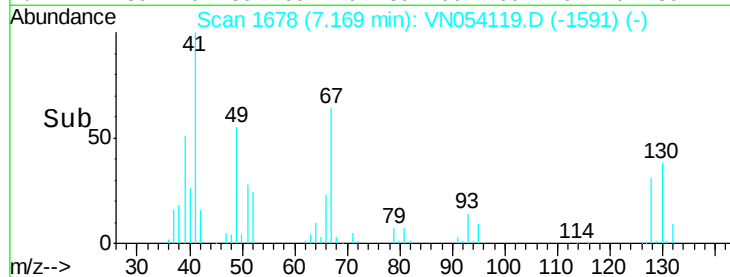
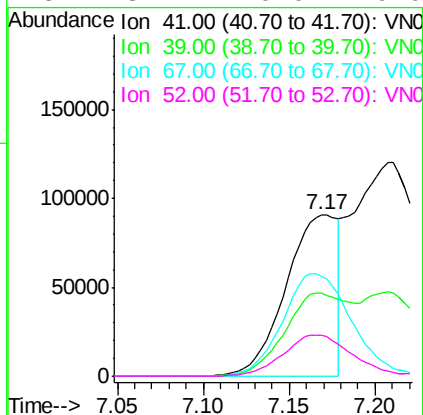
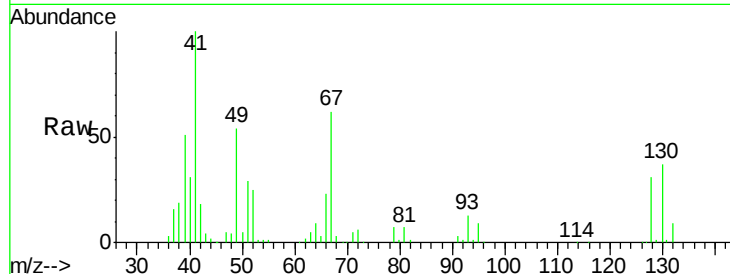
#41
Methacrylonitrile
Concen: 47.834 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.4	0.0	0.0#
67	86.1	0.0	0.0#
52	34.1	0.0	0.0#

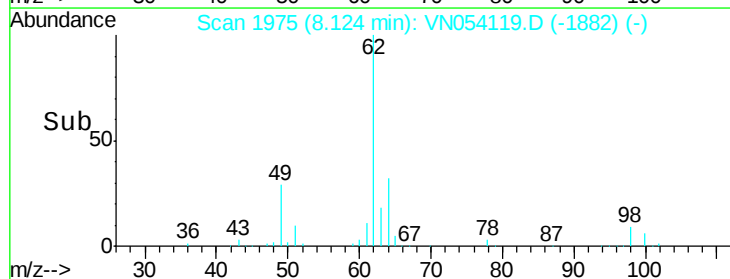
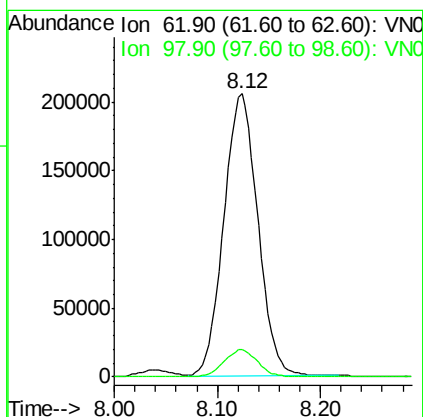
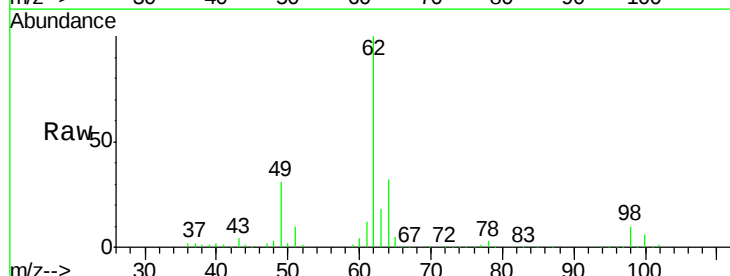
Manual Integrations
APPROVED

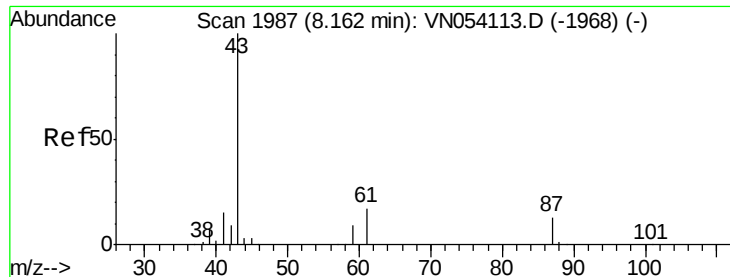
MMDadoda
3/7/2019 11:39:22 AM



#42
1,2-Dichloroethane
Concen: 48.091 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	18.6





#43

Isopropyl Acetate

Concen: 51.187 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

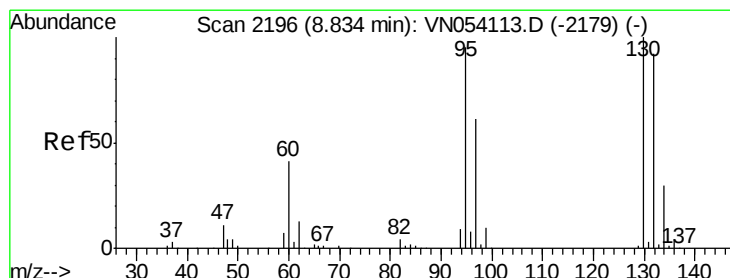
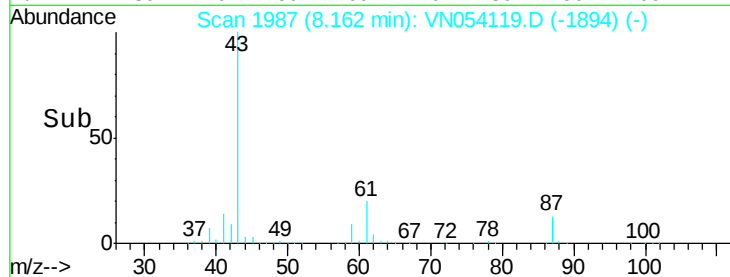
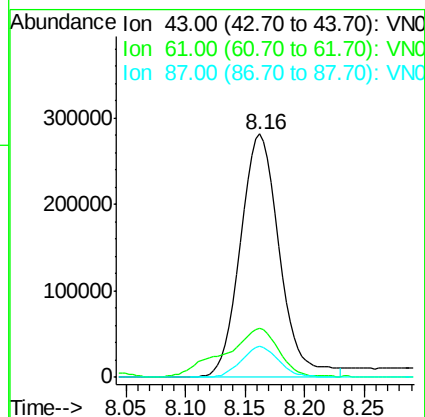
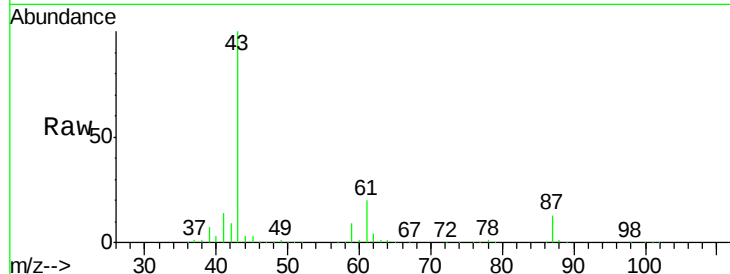
ClientSampleId :

ICVVN030619

Tot Ion:	43	Resp:	642178
Ion	Ratio	Lower	Upper
43	100		
61	27.4	22.5	33.7
87	12.3	10.1	15.1

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#44

Trichloroethene

Concen: 47.010 ug/l

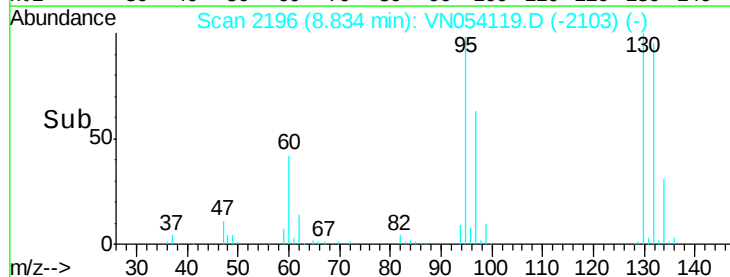
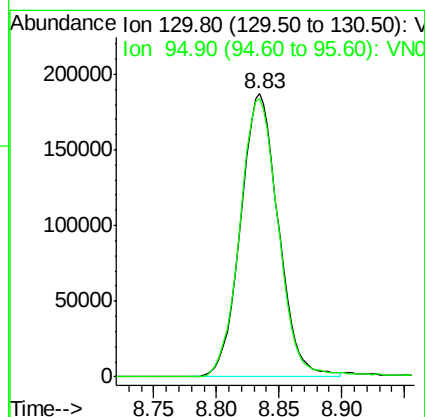
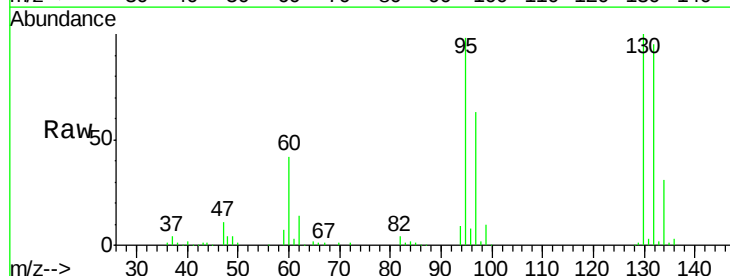
RT: 8.83 min Scan# 2196

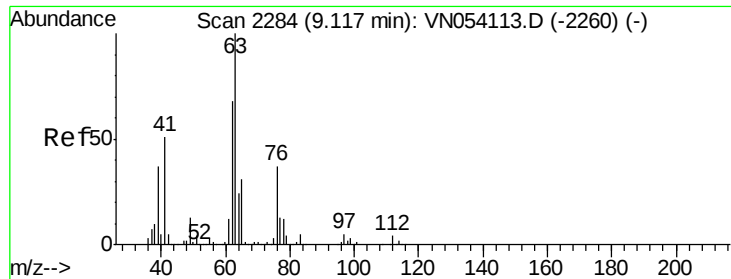
Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	130	Resp:	391440
Ion	Ratio	Lower	Upper
130	100		
95	98.2	0.0	189.4





#45

1,2-Dichloropropane

Concen: 48.267 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampleId :

ICVVN030619

Tot Ion: 63 Resp: 413432

Ion Ratio Lower Upper

63 100

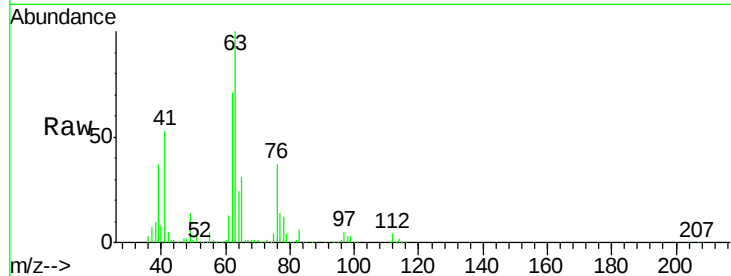
65 31.0 24.6 36.8

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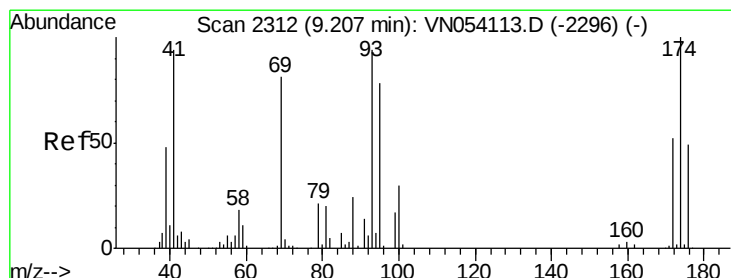
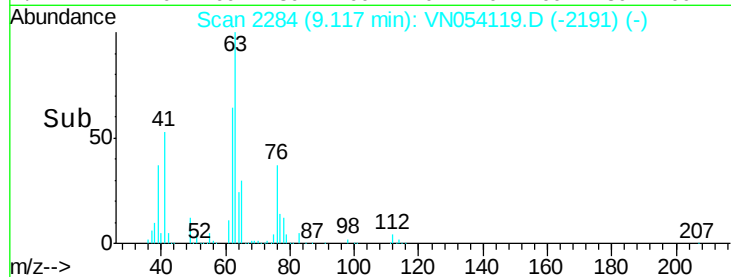
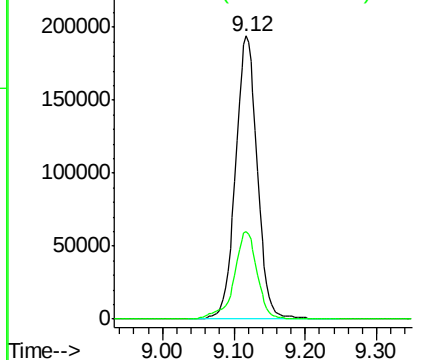
MMDadoda

3/7/2019 11:39:22 AM



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 48.358 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

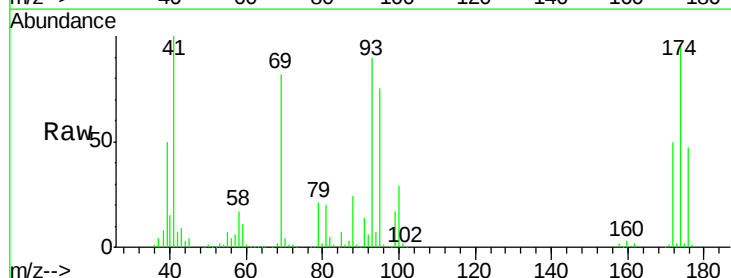
Tgt Ion: 93 Resp: 236449

Ion Ratio Lower Upper

93 100

95 83.4 66.1 99.1

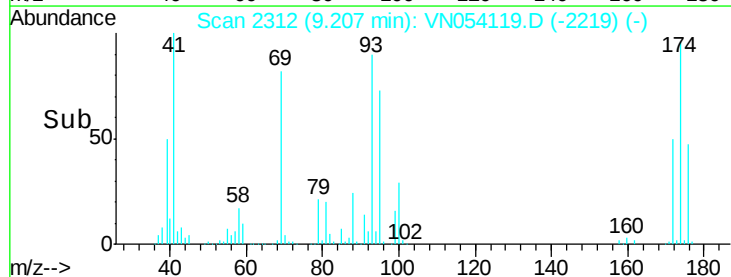
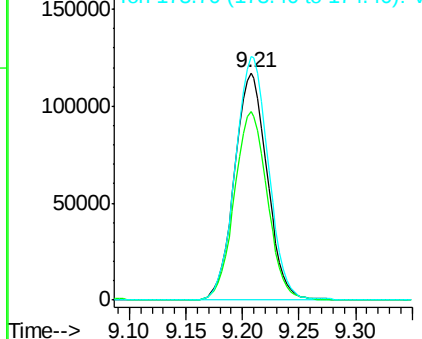
174 109.0 86.1 129.1

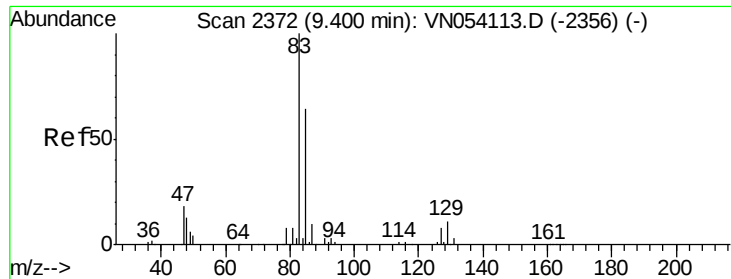


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





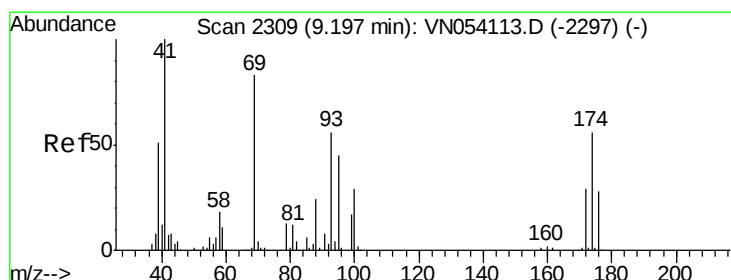
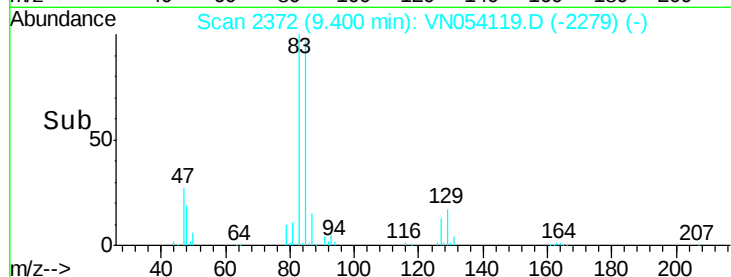
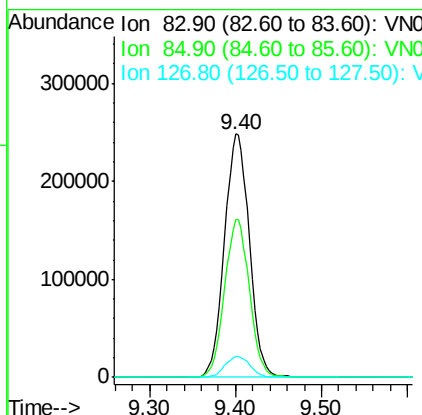
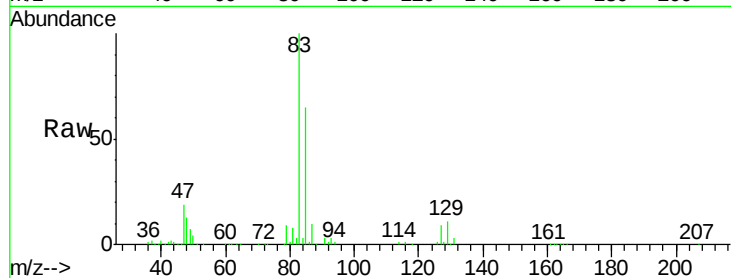
#47
Bromodichloromethane
Concen: 48.888 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tot Ion	Ratio	Resp	Lower	Upper
83	100	500379		
85	64.6		51.0	76.4
127	8.6		6.5	9.7

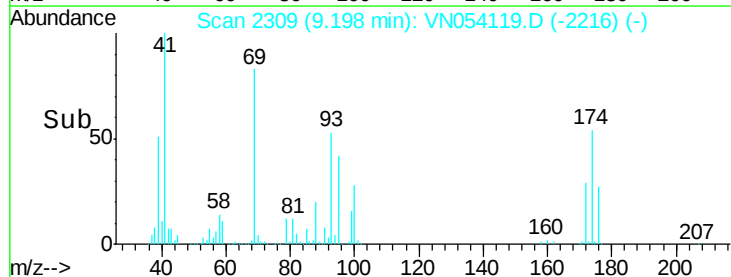
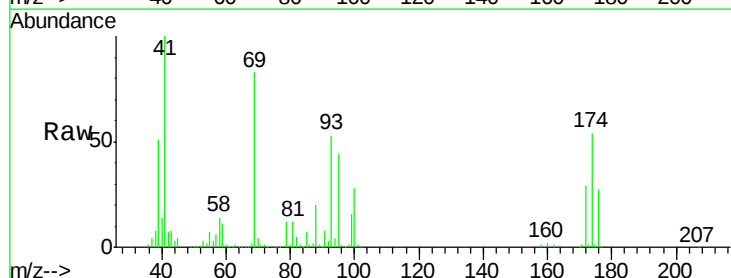
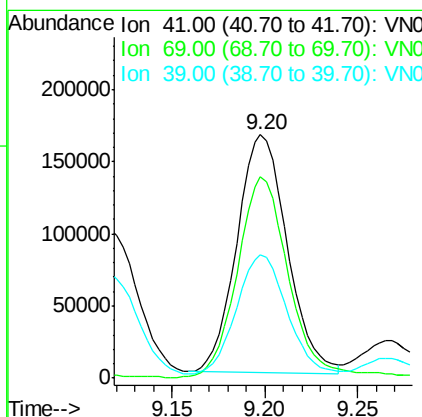
Manual Integrations
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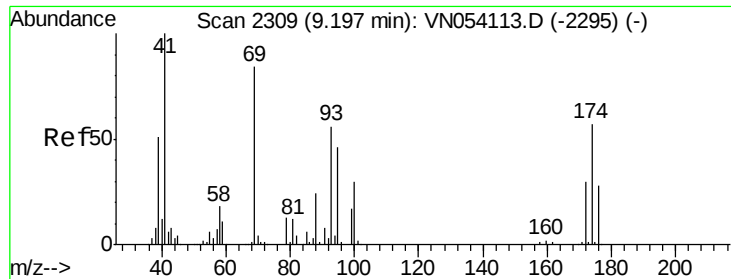
MMDadoda
3/7/2019 11:39:22 AM



#48
Methyl methacrylate
Concen: 54.134 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	312655		
69	86.8		71.0	106.4
39	53.4		43.7	65.5





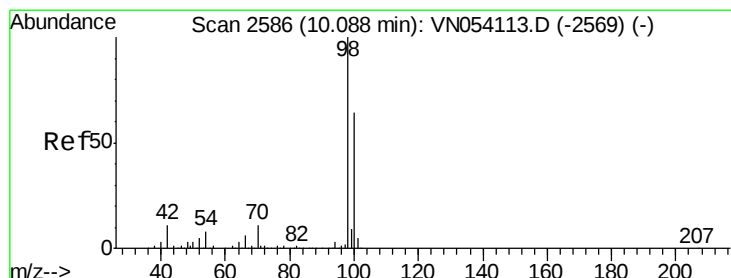
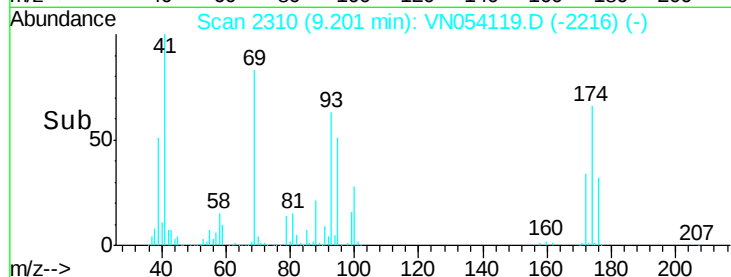
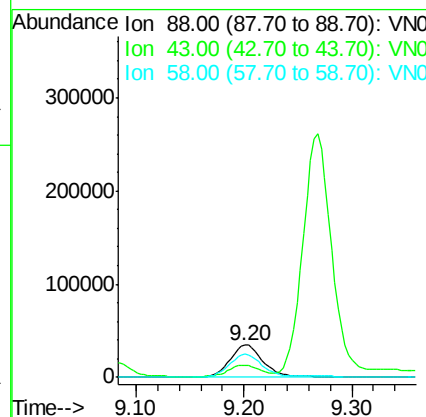
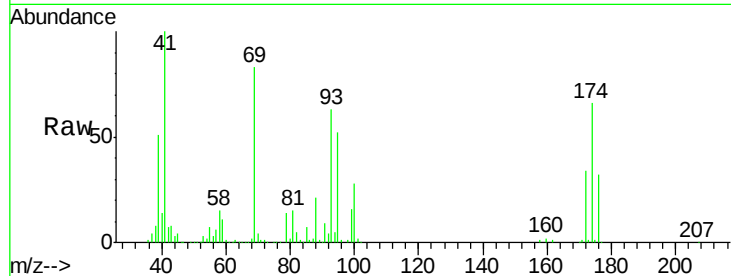
#49
1,4-Dioxane
Concen: 905.265 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tot Ion	88	Resp	75162
Ion	Ratio	Lower	Upper
88	100		
43	33.5	25.5	38.3
58	70.6	58.3	87.5

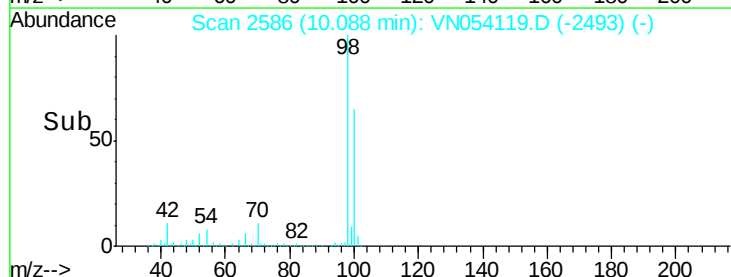
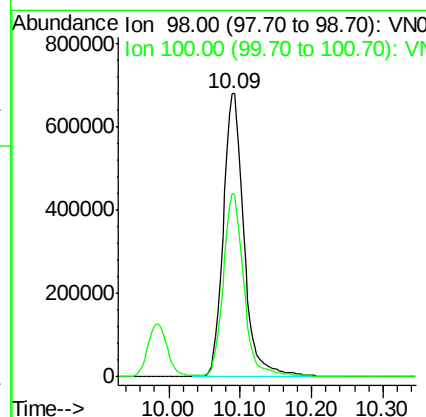
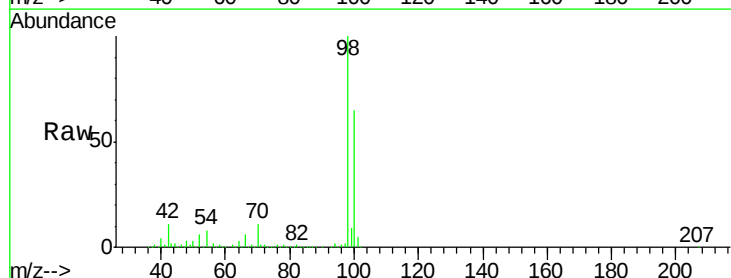
Manual Integrations
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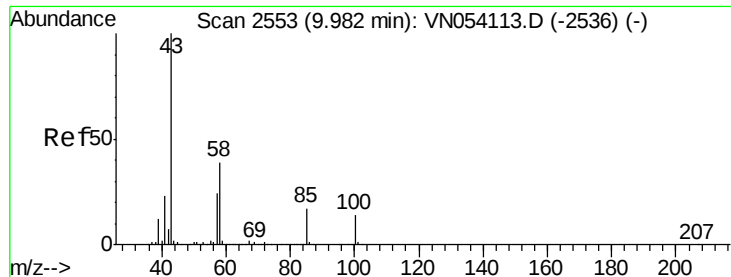
MMDadoda
3/7/2019 11:39:22 AM



#50
Toluene-d8
Concen: 49.615 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	98	Resp	1368396
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





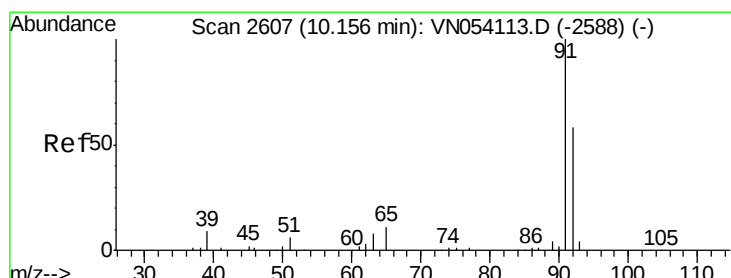
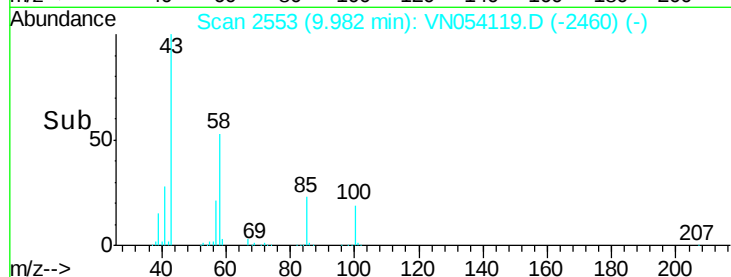
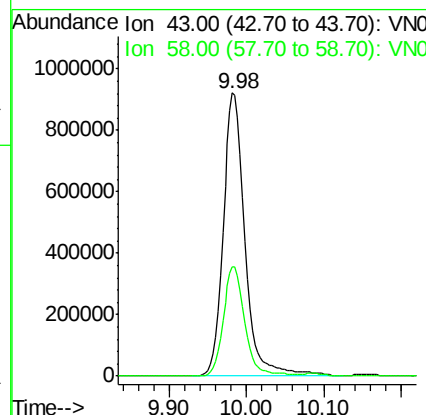
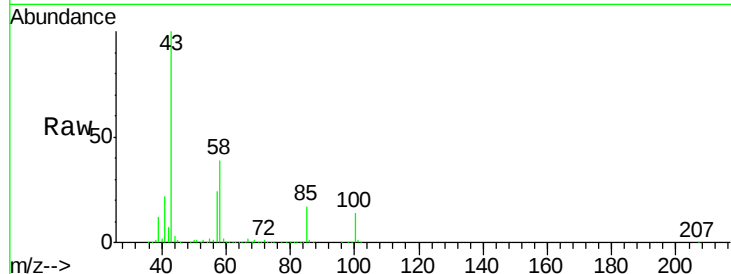
#51
4-Methyl-2-Pentanone
Concen: 269.978 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion: 43 Resp: 1809100
Ion Ratio Lower Upper
43 100
58 38.3 30.8 46.2

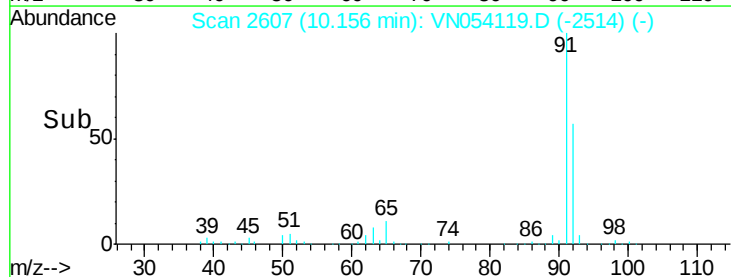
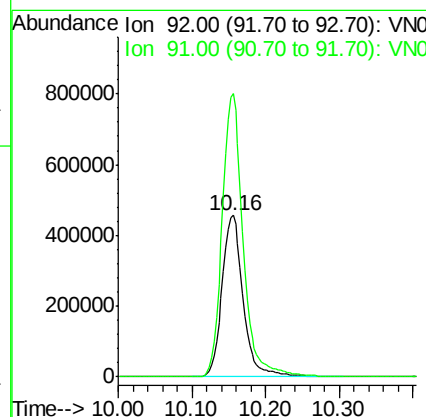
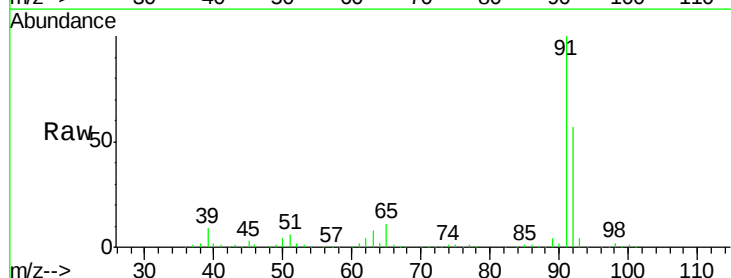
Manual Integrations
APPROVED

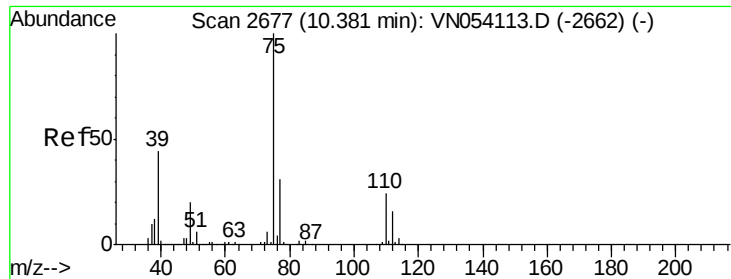
MMDadoda
3/7/2019 11:39:22 AM



#52
Toluene
Concen: 49.414 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 92 Resp: 909103
Ion Ratio Lower Upper
92 100
91 174.1 139.0 208.6





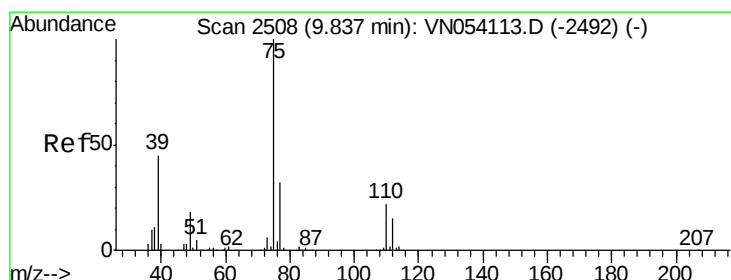
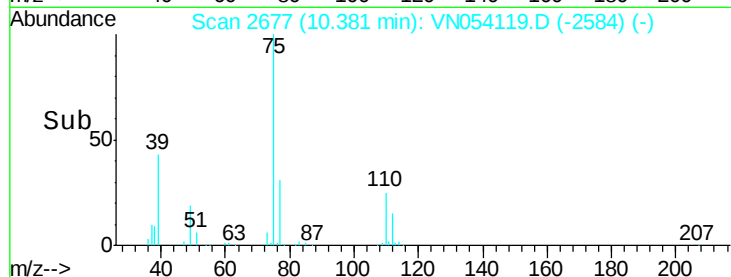
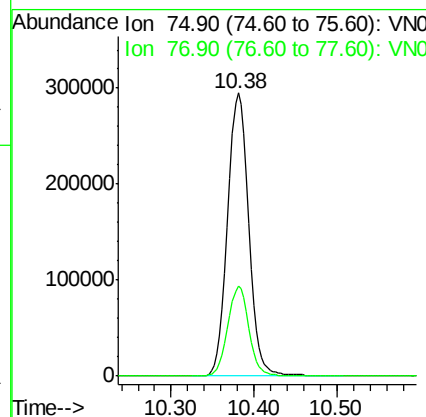
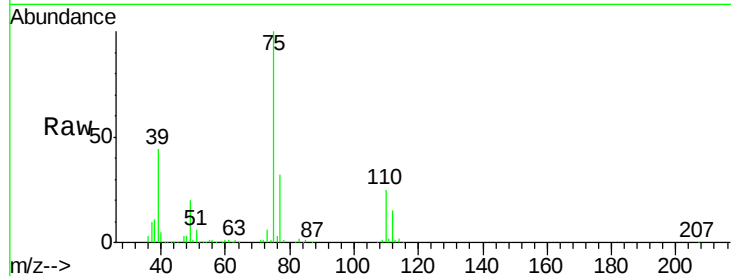
#53
t-1,3-Dichloropropene
Concen: 51.708 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3

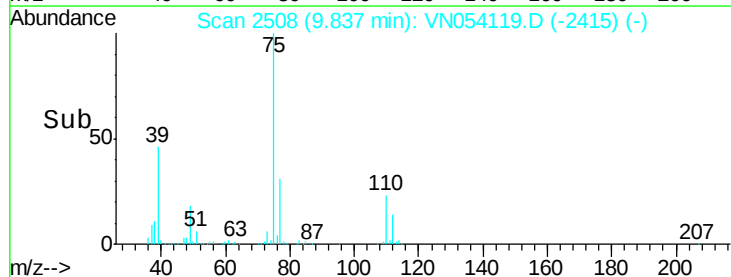
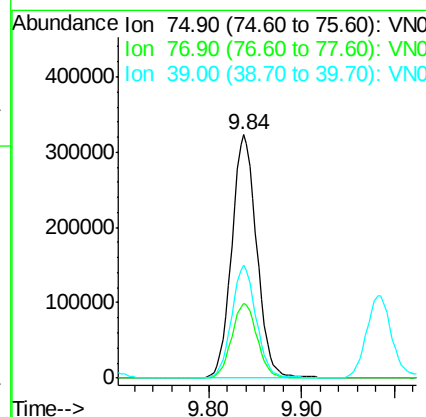
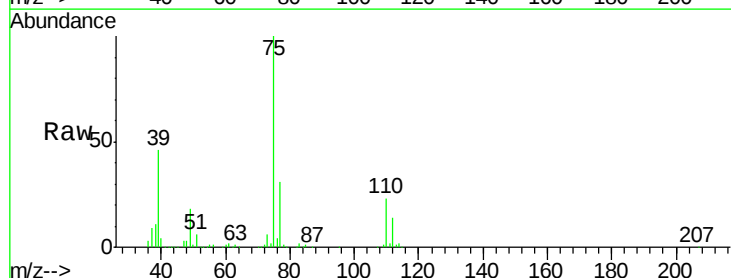
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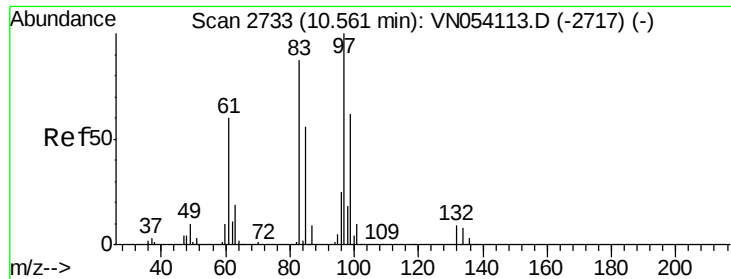
MMDadoda
3/7/2019 11:39:22 AM



#54
cis-1,3-Dichloropropene
Concen: 50.583 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.4	38.0
39	46.4	36.2	54.2





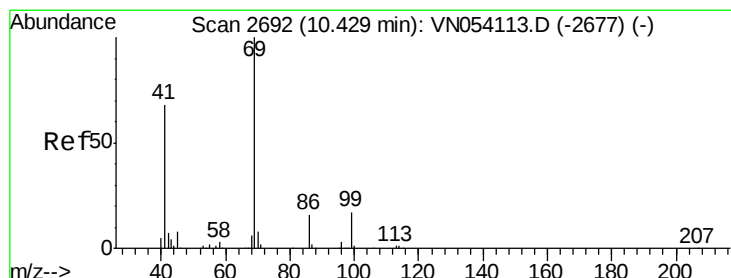
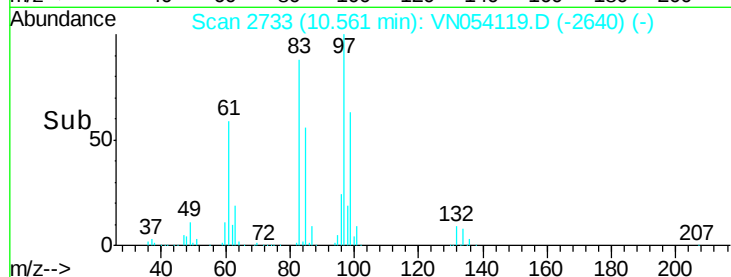
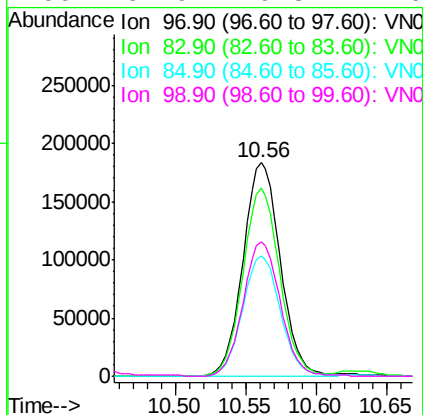
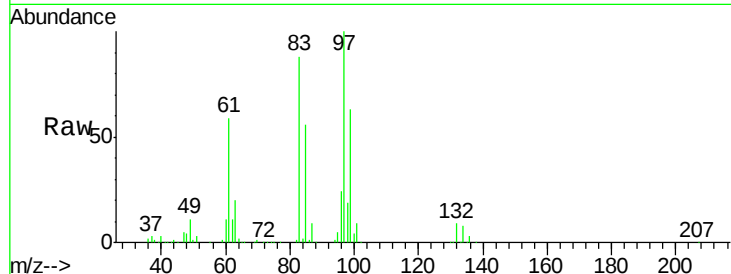
#55
 1,1,2-Trichloroethane
 Concen: 49.134 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

Tot Ion:	97	Resp:	340395
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.8	104.6
85	56.2	45.0	67.4
99	62.9	49.8	74.6

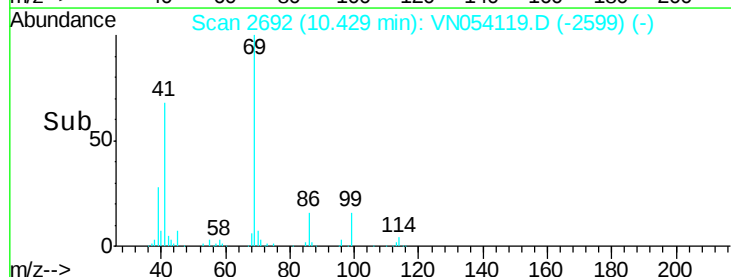
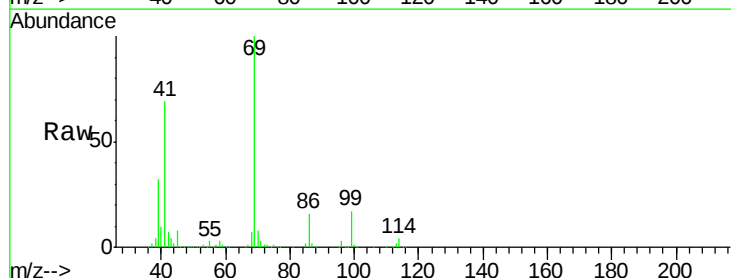
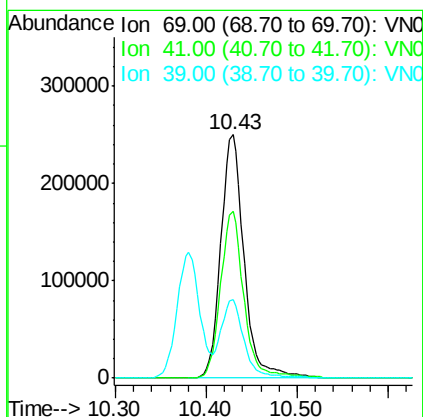
Manual Integrations
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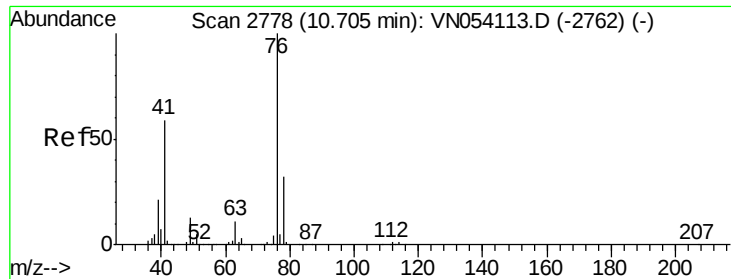
MMDadoda
 3/7/2019 11:39:22 AM



#56
 Ethyl methacrylate
 Concen: 54.766 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion:	69	Resp:	445401
Ion	Ratio	Lower	Upper
69	100		
41	67.6	53.4	80.2
39	30.7	25.6	38.4





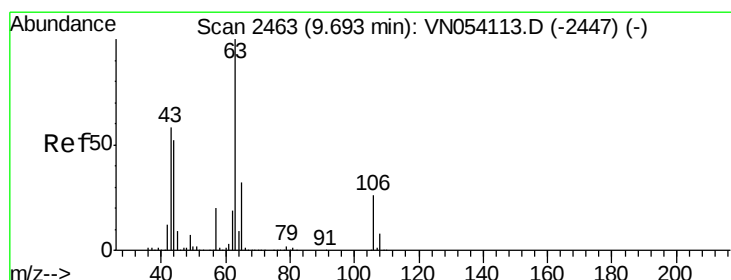
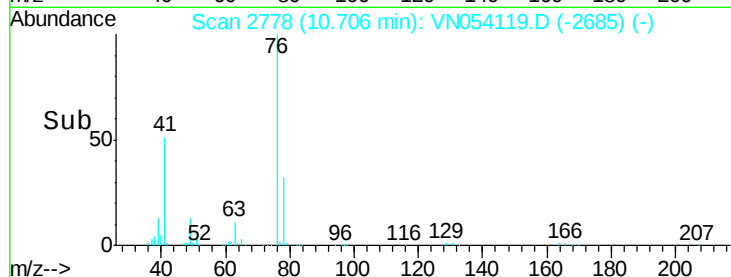
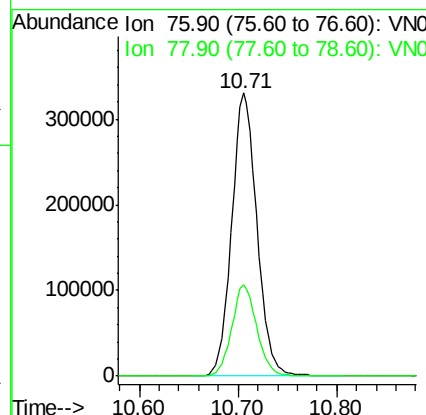
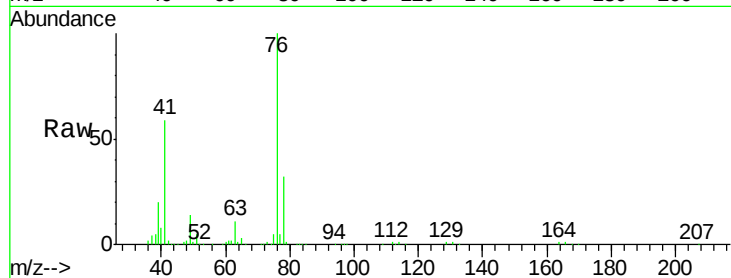
#57
 1,3-Dichloropropane
 Concen: 49.982 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

Tot Ion: 76 Resp: 590819
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.9 38.9

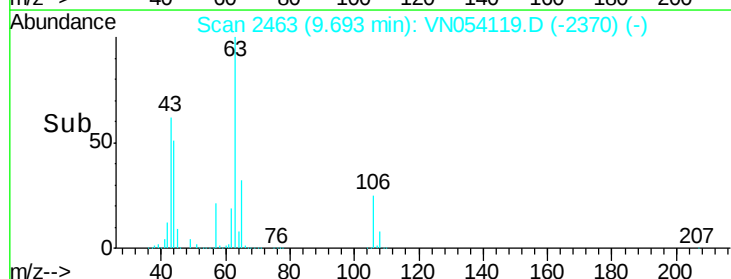
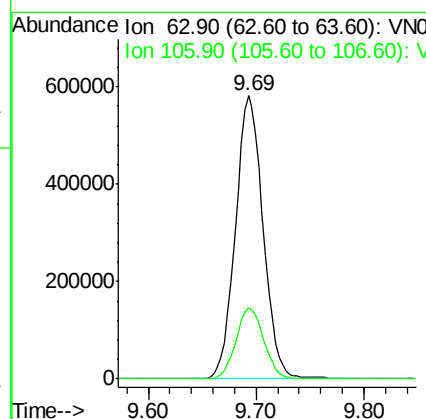
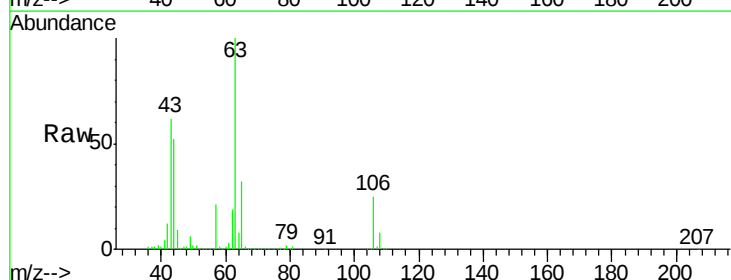
Manual Integrations
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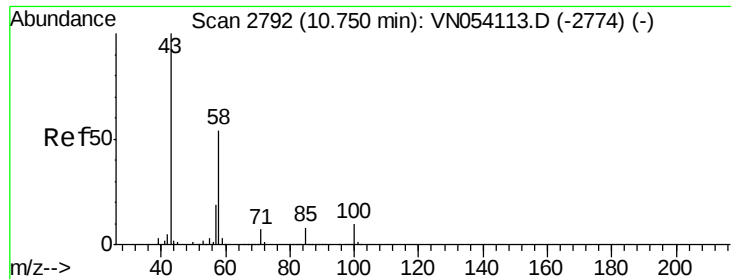
MMDadoda
 3/7/2019 11:39:22 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 279.222 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion: 63 Resp: 1039406
 Ion Ratio Lower Upper
 63 100
 106 25.4 20.2 30.2





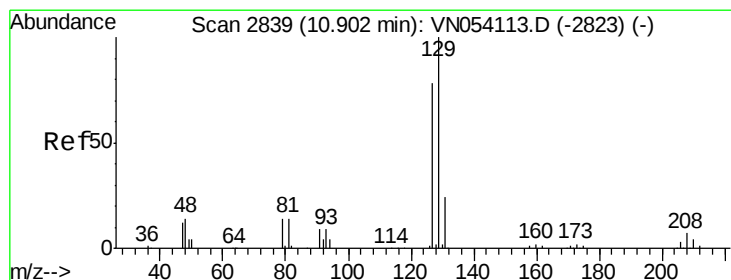
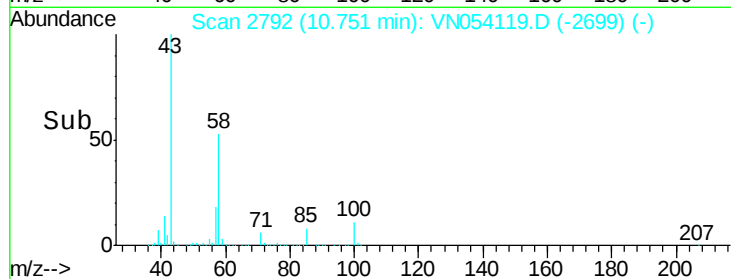
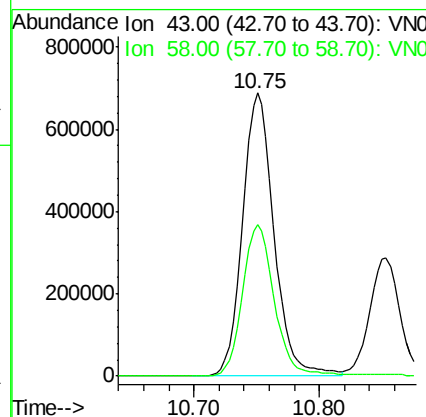
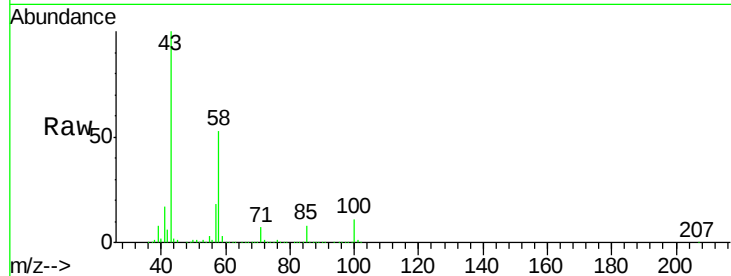
#59
2-Hexanone
Concen: 270.580 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tot Ion: 43 Resp: 1196140
Ion Ratio Lower Upper
43 100
58 54.4 27.0 81.0

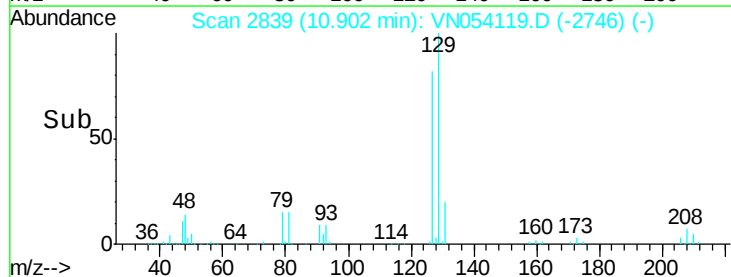
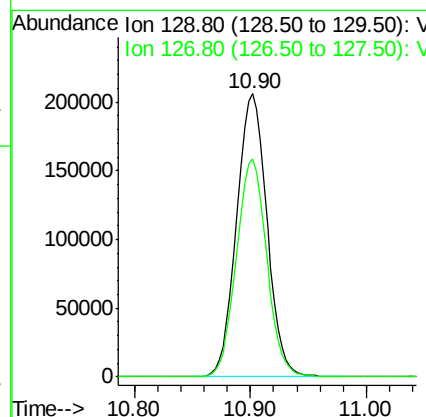
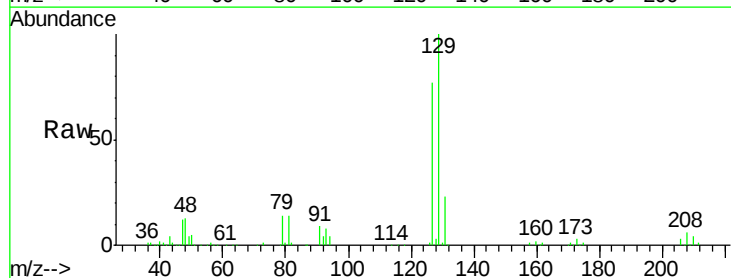
Manual Integrations
APPROVED

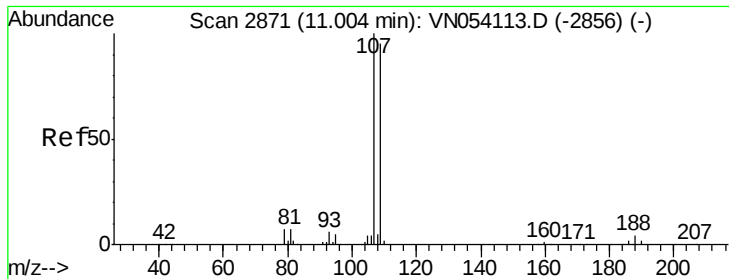
MMDadoda
3/7/2019 11:39:22 AM



#60
Dibromochloromethane
Concen: 50.365 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 129 Resp: 373089
Ion Ratio Lower Upper
129 100
127 76.9 38.8 116.4





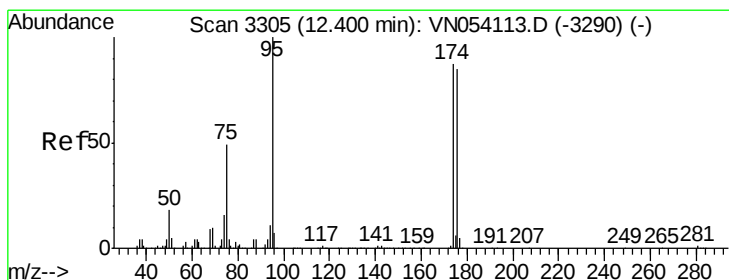
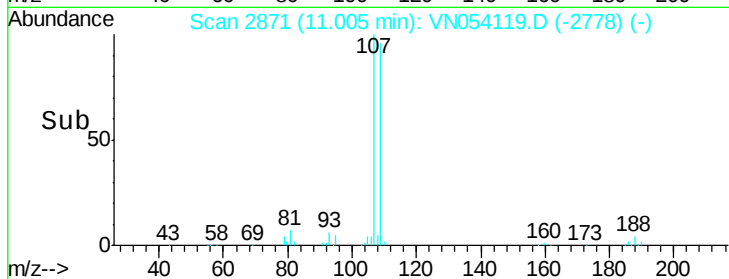
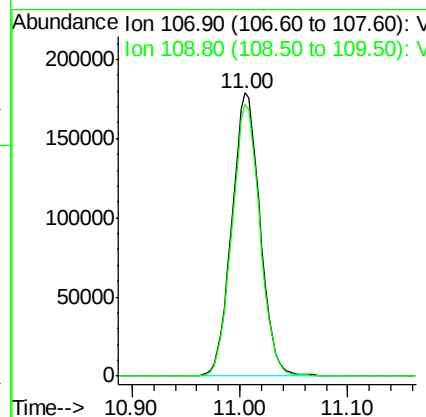
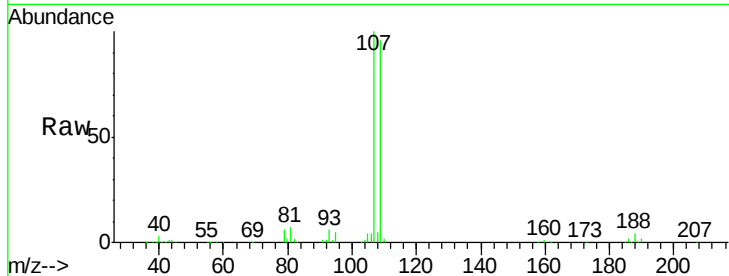
#61
 1,2-Dibromoethane
 Concen: 49.410 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN030619

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.9	112.3

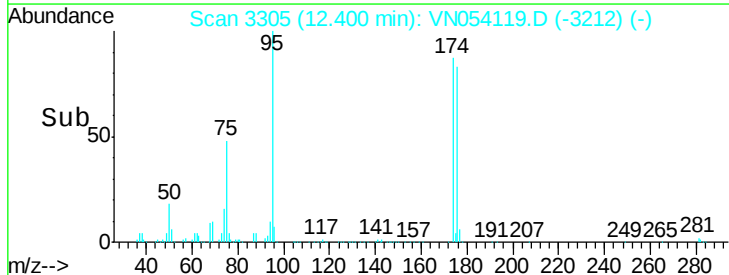
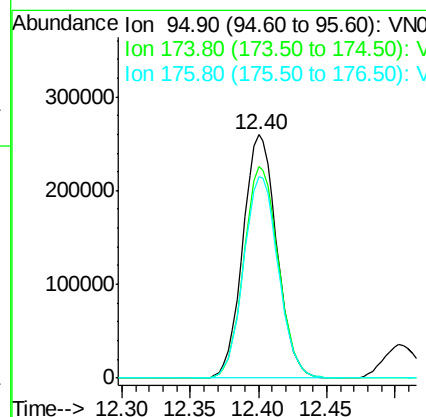
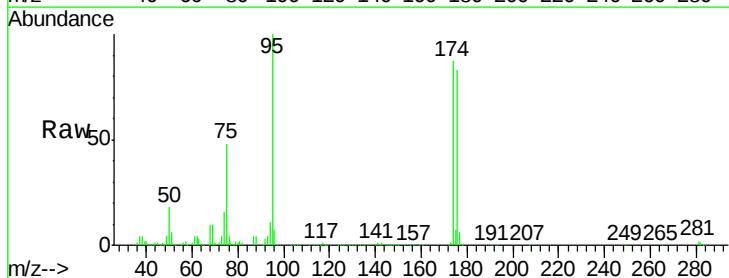
Manual Integrations
 APPROVED

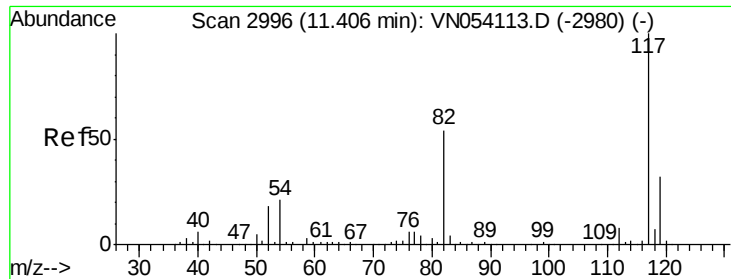
MMDadoda
 3/7/2019 11:39:22 AM



#62
 4-Bromofluorobenzene
 Concen: 50.021 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.1	0.0	173.2
176	84.4	0.0	168.8





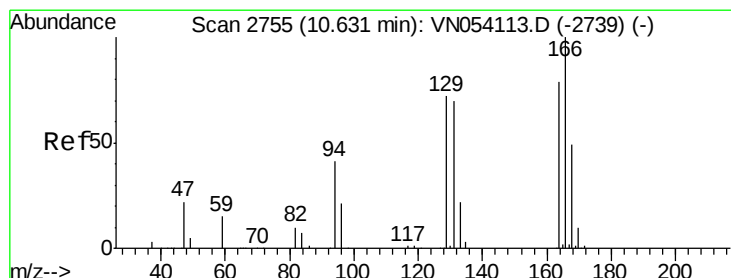
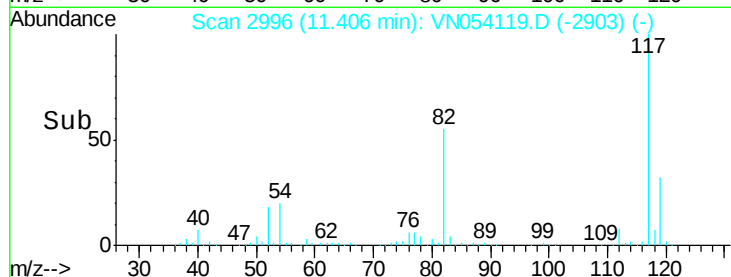
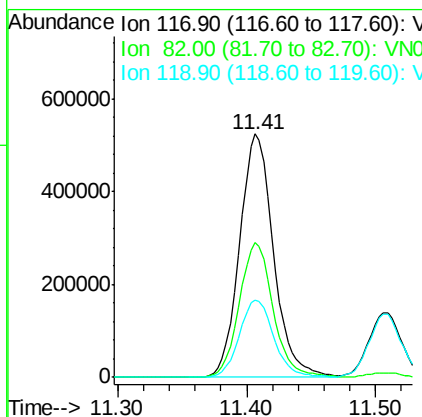
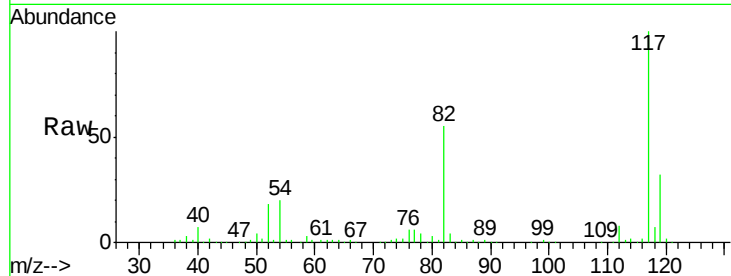
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.3	43.4	65.2
119	31.9	26.0	39.0

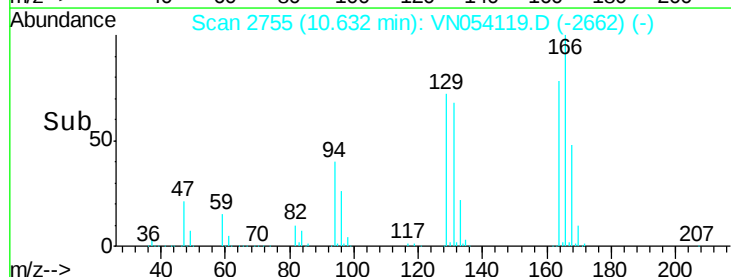
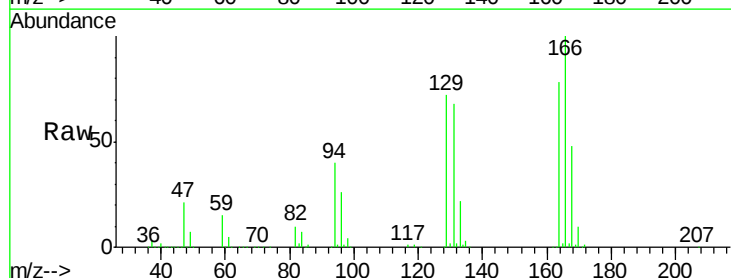
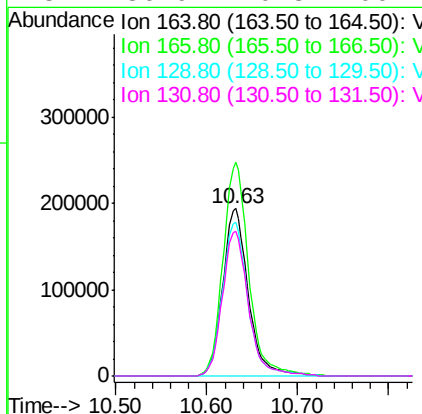
Manual Integrations
APPROVED

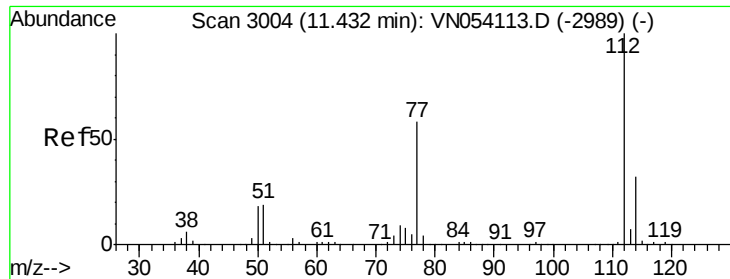
MMDadoda
3/7/2019 11:39:22 AM



#64
Tetrachloroethene
Concen: 48.004 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.3	151.9
129	91.9	73.2	109.8
131	86.9	70.8	106.2





#65

Chlorobenzene

Concen: 48.180 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

Tot Ion:112 Resp: 962347

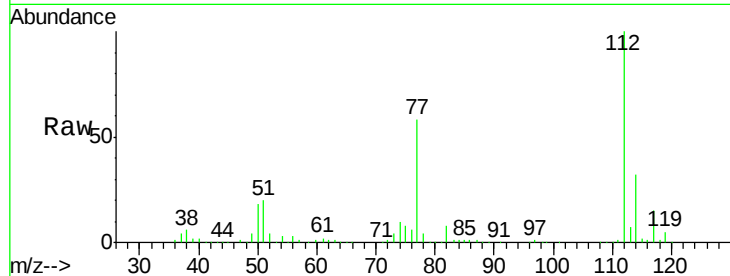
Ion Ratio Lower Upper

112 100

114 32.2 25.4 38.0

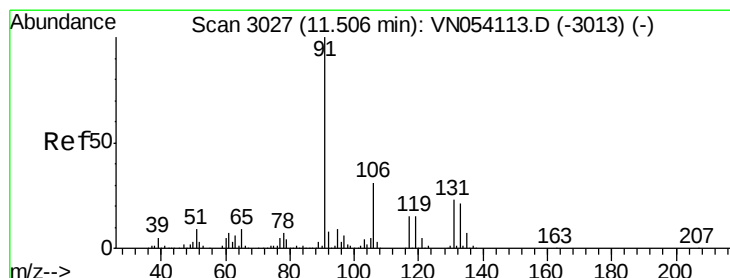
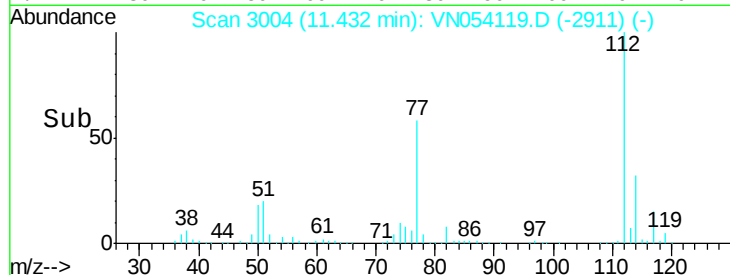
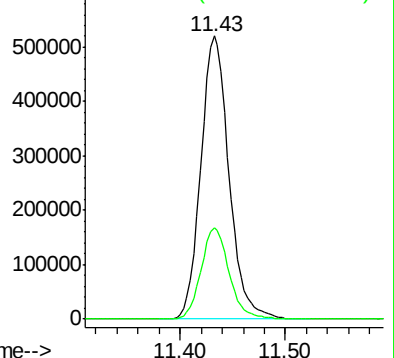
Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:22 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.605 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

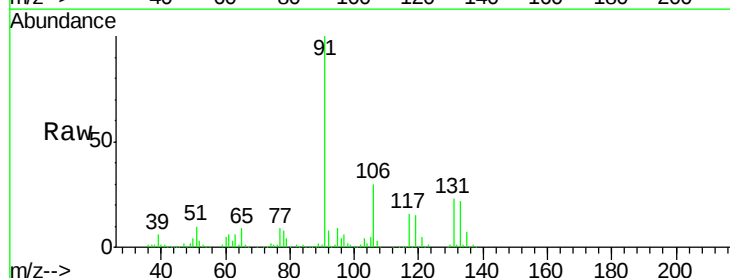
Tgt Ion:131 Resp: 354678

Ion Ratio Lower Upper

131 100

133 95.8 47.6 142.9

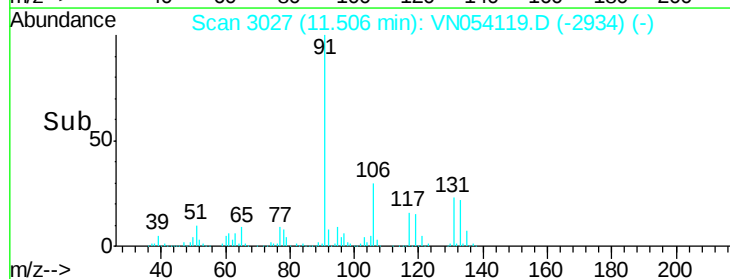
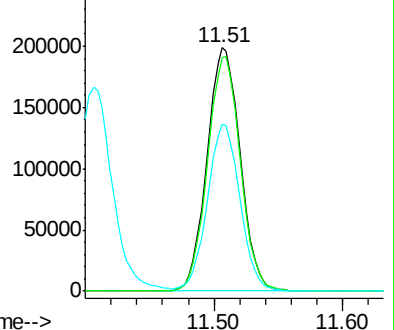
119 67.6 33.8 101.3

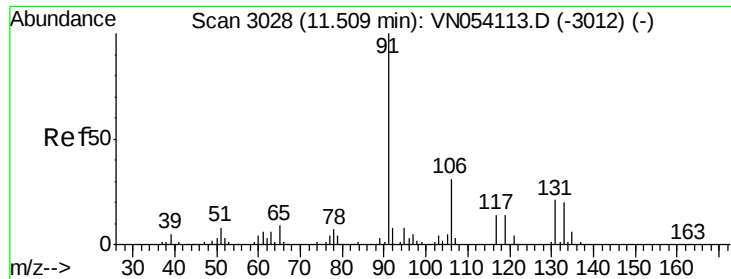


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





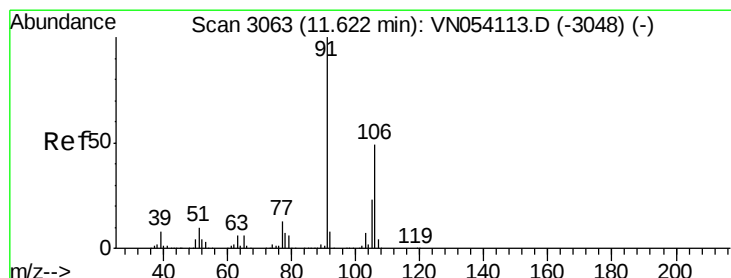
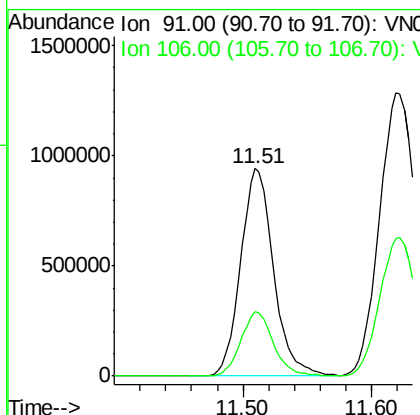
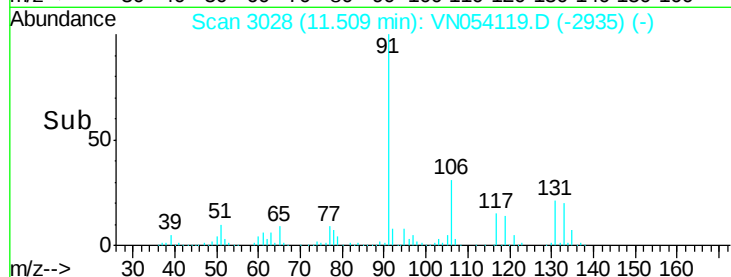
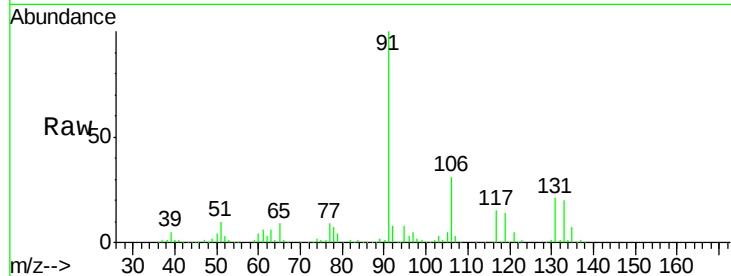
#67
Ethyl Benzene
Concen: 50.115 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion: 91 Resp: 1675039
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

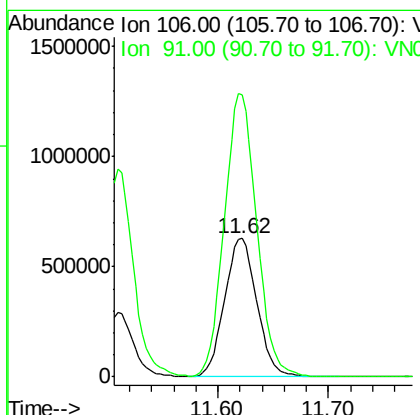
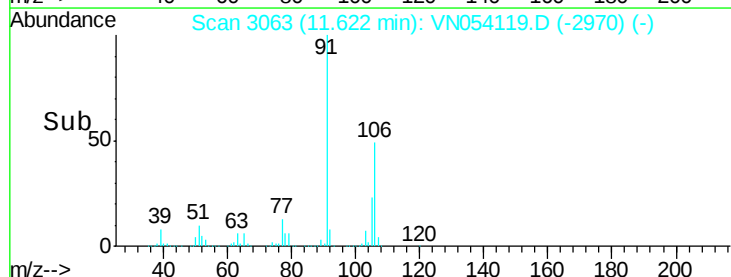
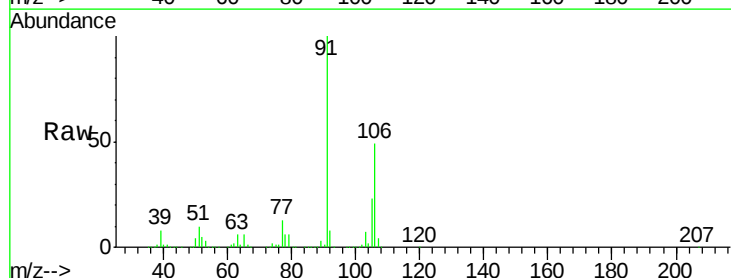
Manual Integrations
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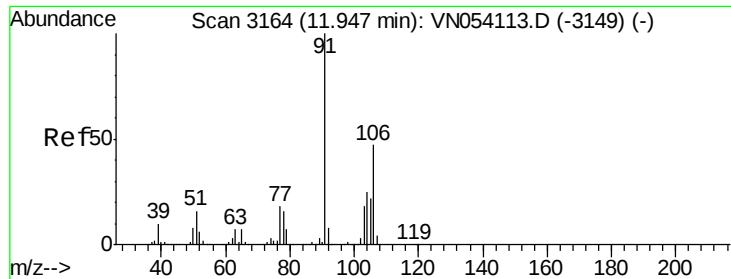
MMDadoda
3/7/2019 11:39:22 AM



#68
m/p-Xylenes
Concen: 101.079 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 106 Resp: 1274948
Ion Ratio Lower Upper
106 100
91 204.8 163.2 244.8





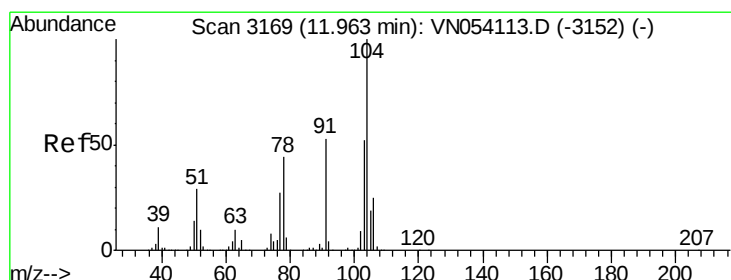
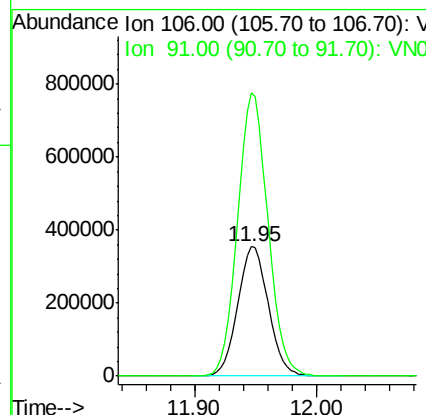
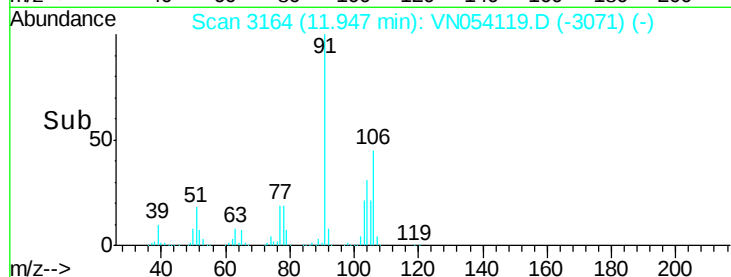
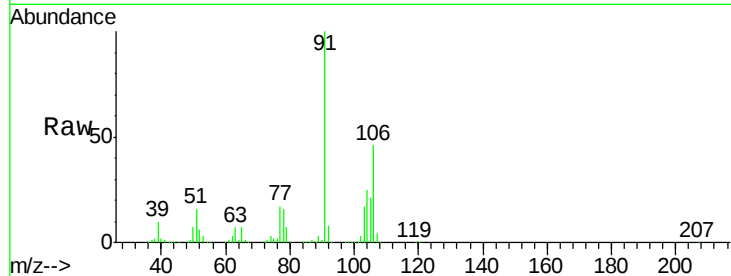
#69
o-Xylene
Concen: 50.952 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampled :
ICVVN030619

Tot Ion:106 Resp: 618439
Ion Ratio Lower Upper
106 100
91 216.2 107.1 321.3

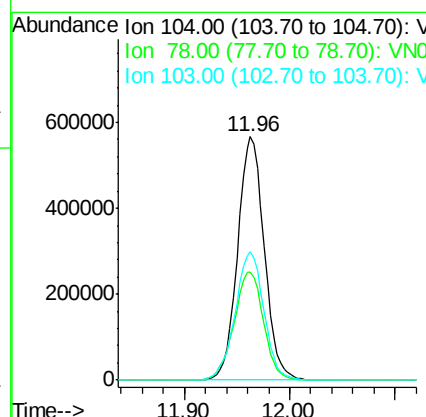
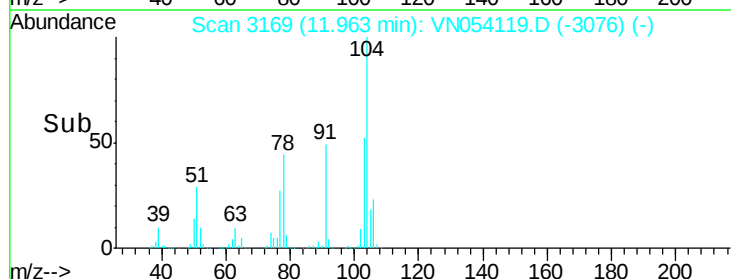
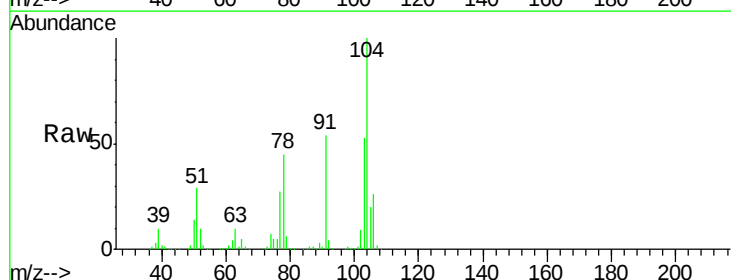
Manual Integrations
APPROVED

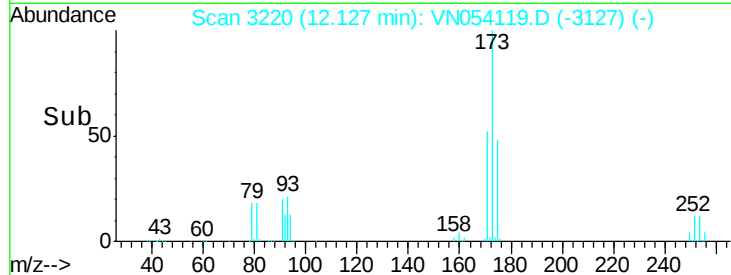
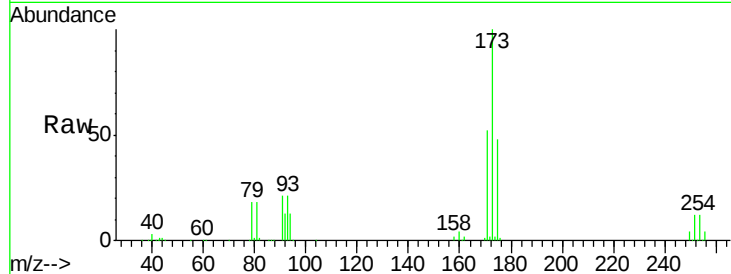
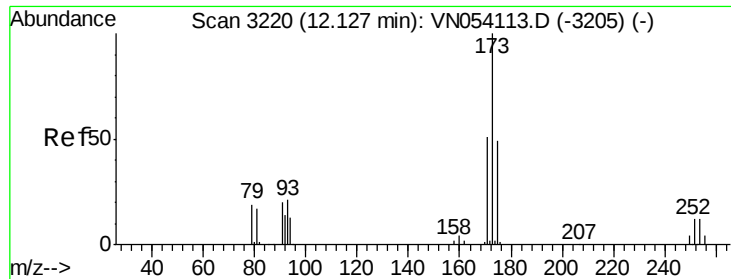
MMDadoda
3/7/2019 11:39:22 AM



#70
Styrene
Concen: 51.321 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion:104 Resp: 988798
Ion Ratio Lower Upper
104 100
78 49.3 39.4 59.0
103 57.0 44.7 67.1





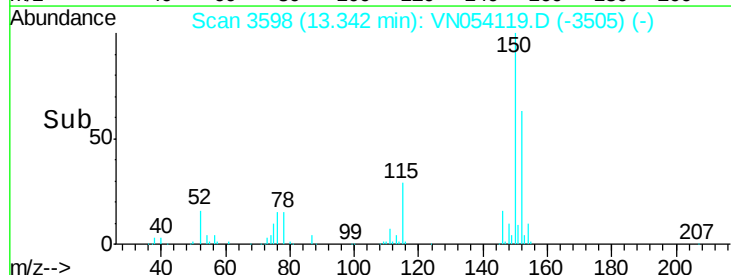
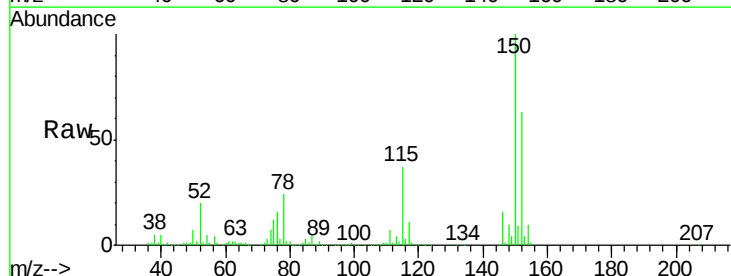
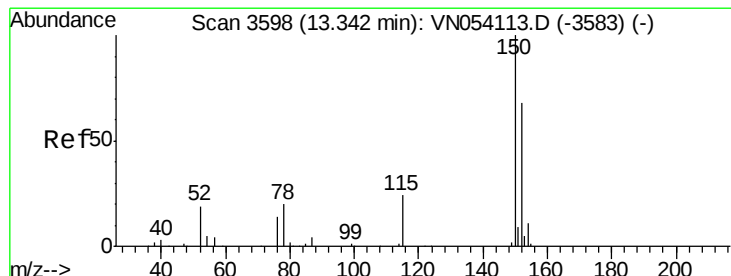
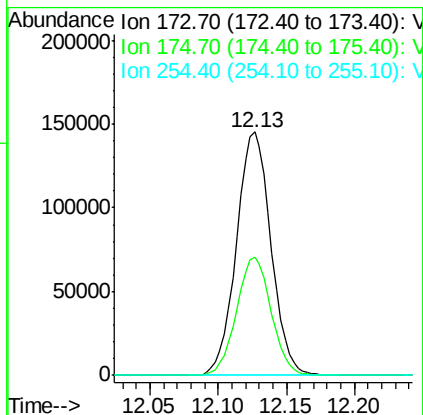
#71
Bromoform
Concen: 51.822 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tot Ion	Ratio	Resp	Lower	Upper
173	100	255011		
175	48.6	24.1	72.2	
254	0.1	0.0	0.0#	

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

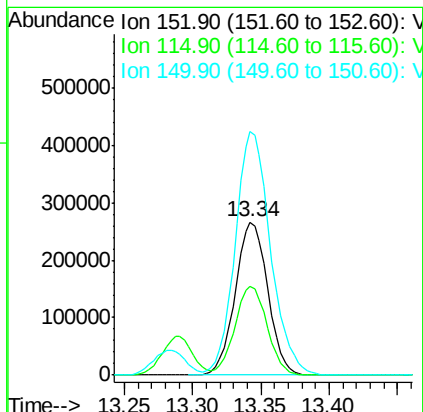
Manual Integrations
APPROVED

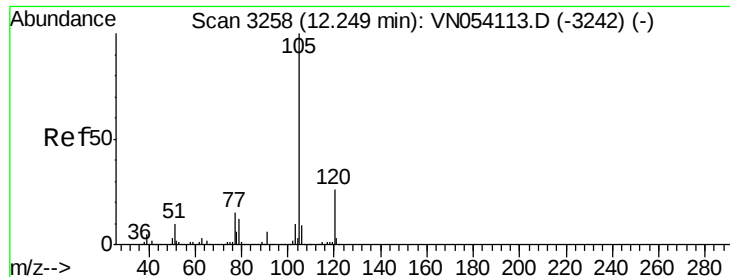
MMDadoda
3/7/2019 11:39:22 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	440687		
115	57.5	28.5	85.6	
150	172.7	0.0	343.2	





#73

Isopropylbenzene

Concen: 46.545 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

Tot Ion:105 Resp: 1632093

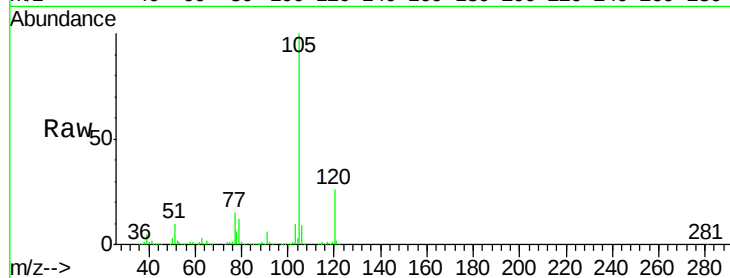
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

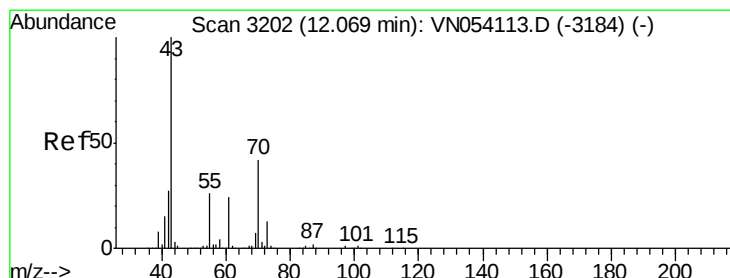
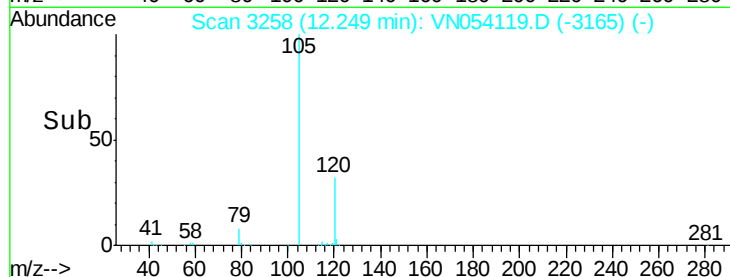
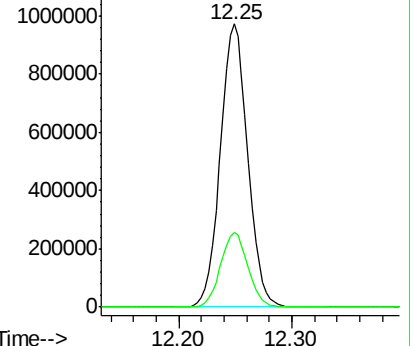
Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:22 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.925 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion: 43 Resp: 482213

Ion Ratio Lower Upper

43 100

70 41.8 33.6 50.4

55 25.4 20.6 31.0

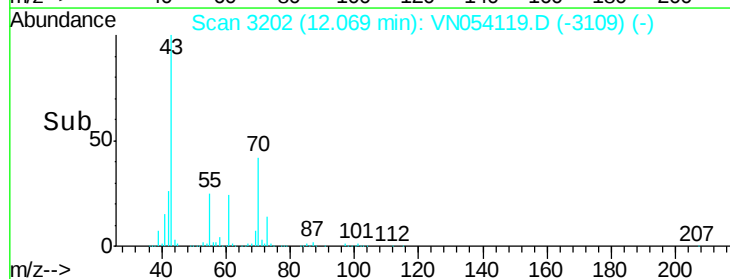
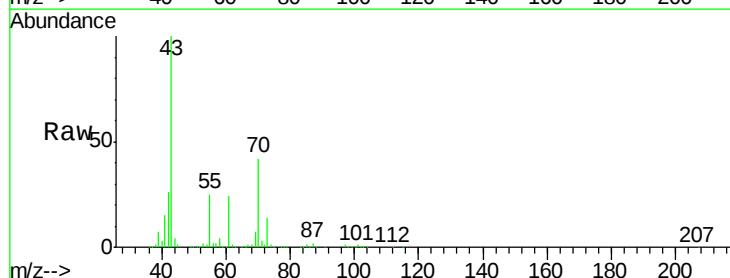
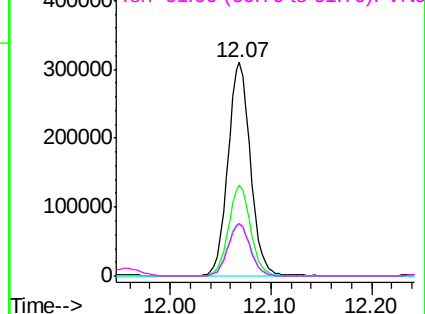
61 24.2 19.4 29.2

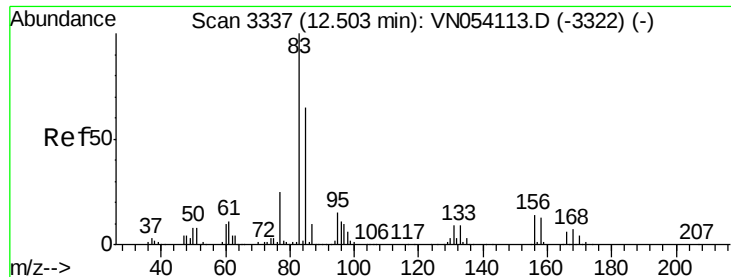
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.444 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

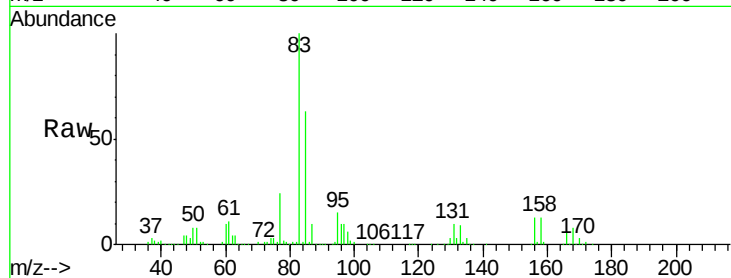
ClientSampleId :

ICVVN030619

Tot Ion	83	Resp	415542
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.2	32.4	97.0

Manual Integrations
APPROVED

MMDadoda
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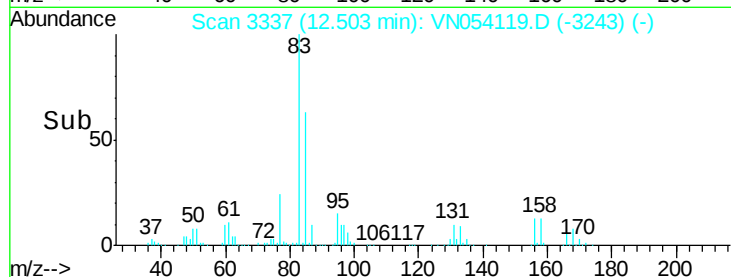


Abundance Ion 82.90 (82.60 to 83.60): VN0

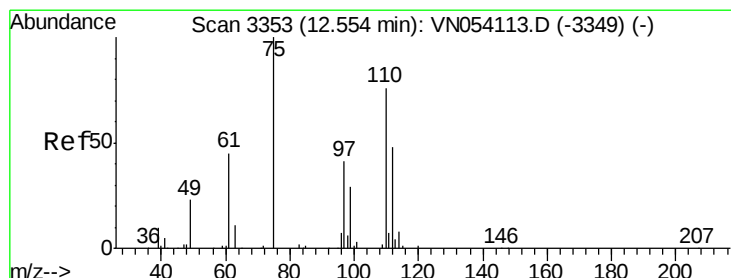
Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 45.270 ug/l m

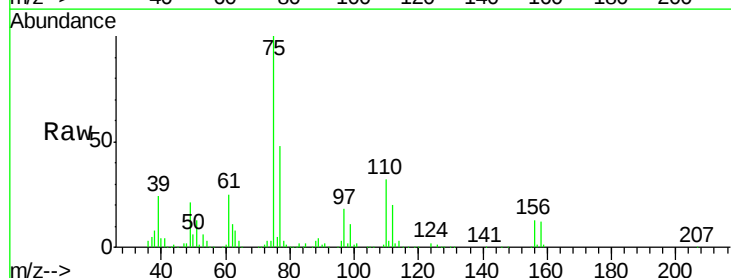
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

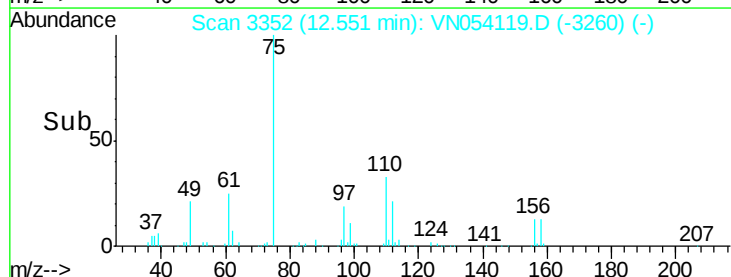
Tgt Ion	75	Resp	339986
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



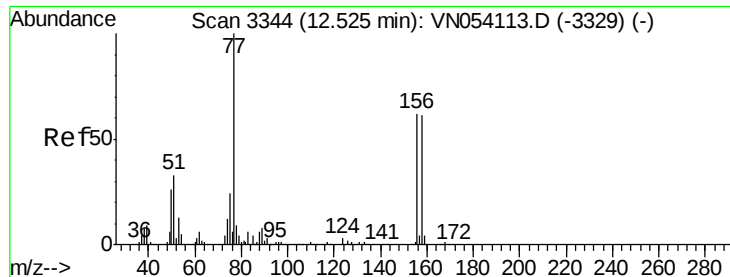
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

Time-->



Time-->



#77

Bromobenzene

Concen: 48.970 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

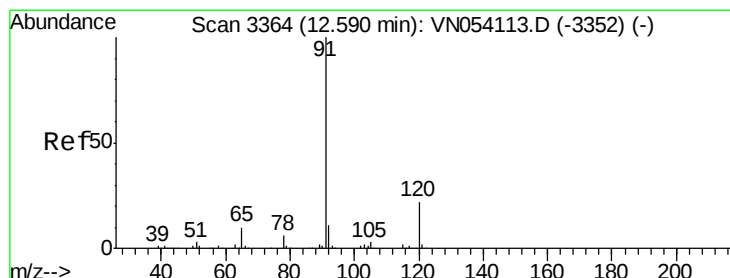
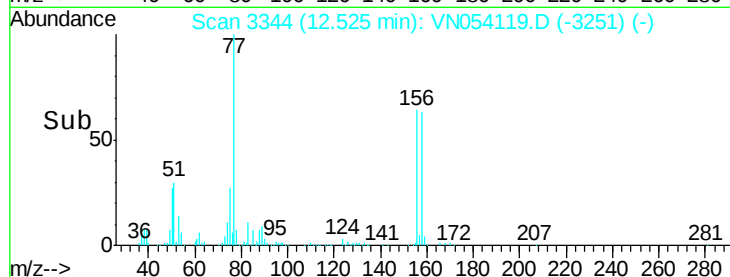
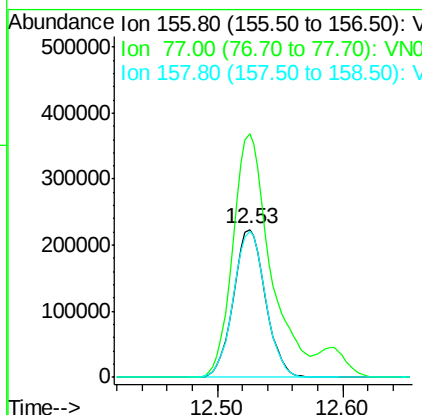
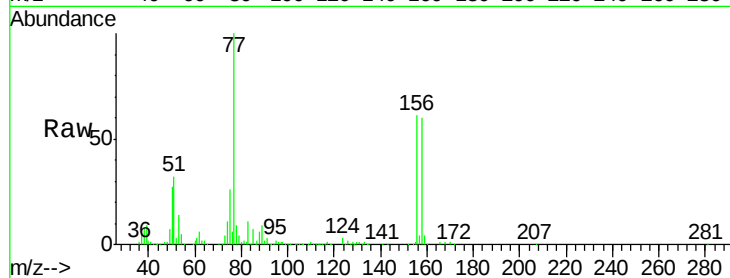
ClientSampleId :

ICVVN030619

Tot Ion:	156	Resp:	396137
Ion Ratio	Lower	Upper	
156	100		
77	192.0	93.6	280.8
158	99.4	48.4	145.0

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#78

n-propylbenzene

Concen: 49.067 ug/l

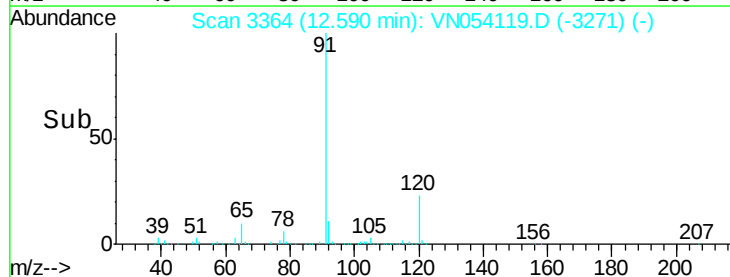
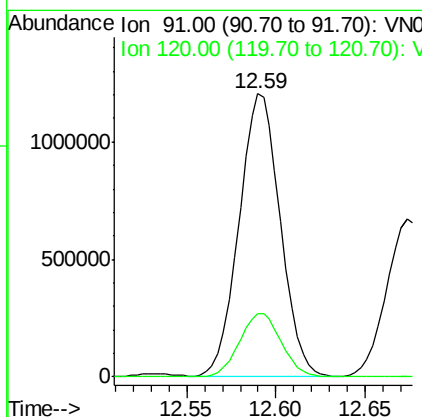
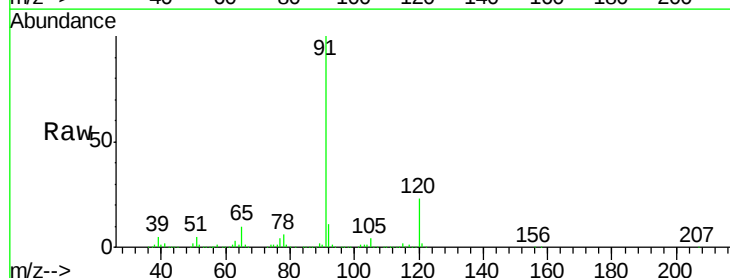
RT: 12.59 min Scan# 3364

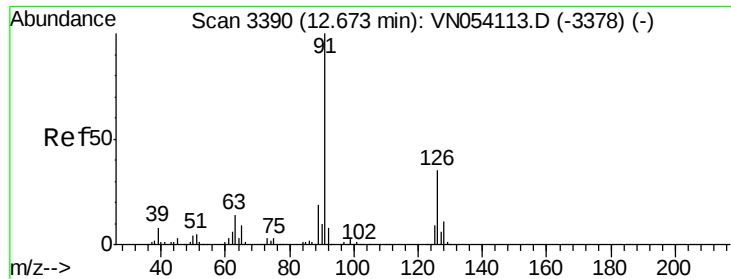
Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	91	Resp:	1936027
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 47.095 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

ClientSampled :

ICVVN030619

Tot Ion: 91 Resp: 1128603

Ion Ratio Lower Upper

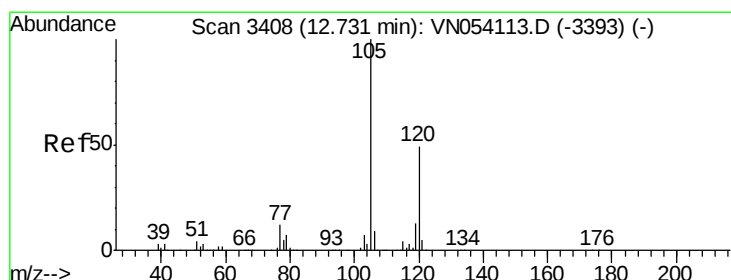
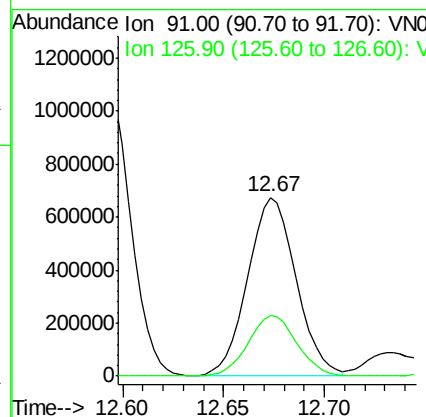
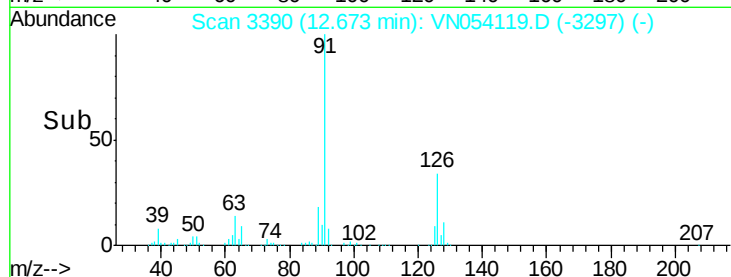
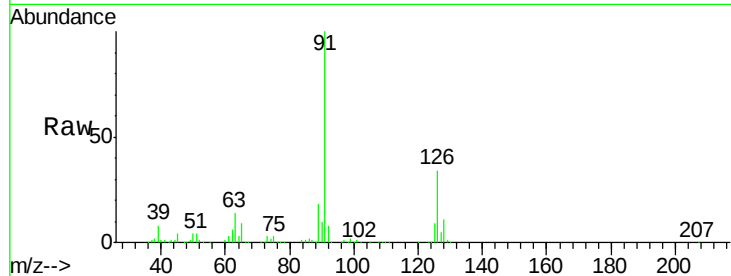
91 100

126 34.4 17.4 52.2

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#80

1,3,5-Trimethylbenzene

Concen: 49.145 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054119.D

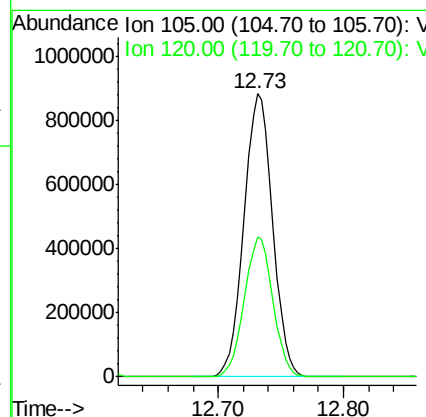
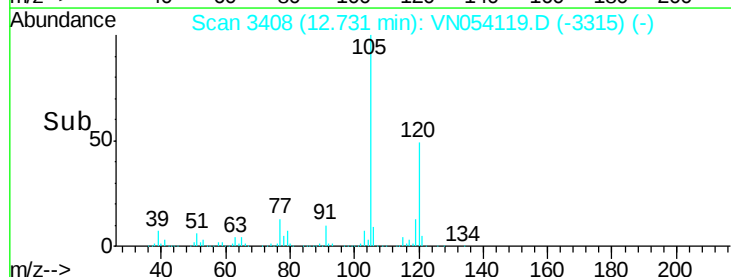
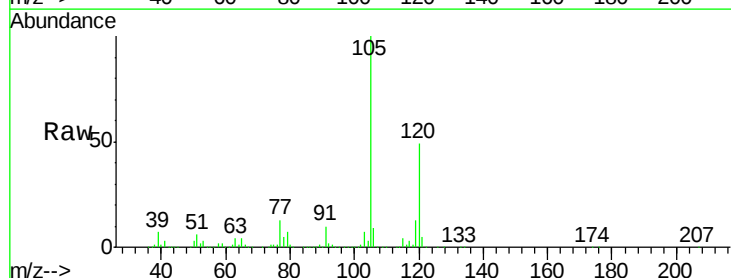
Acq: 6 Mar 2019 16:20

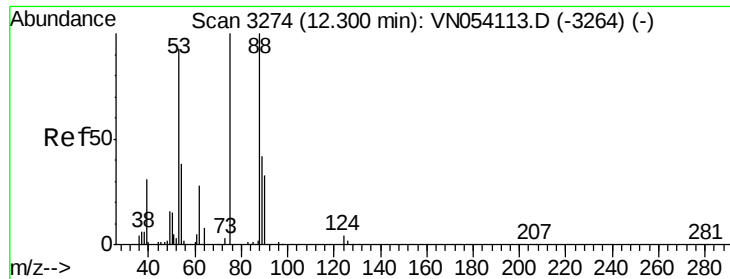
Tgt Ion: 105 Resp: 1400832

Ion Ratio Lower Upper

105 100

120 49.3 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.769 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

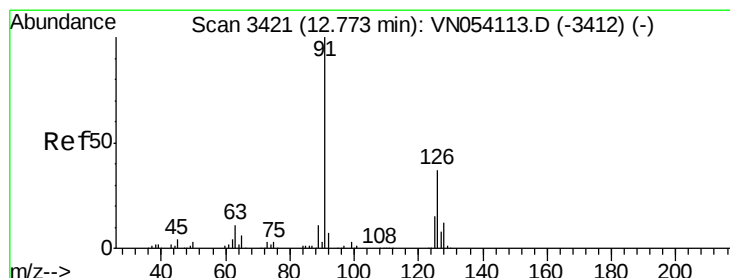
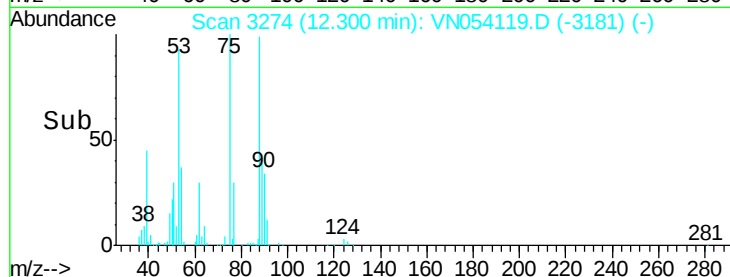
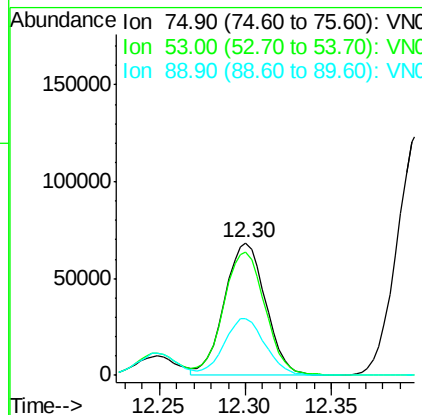
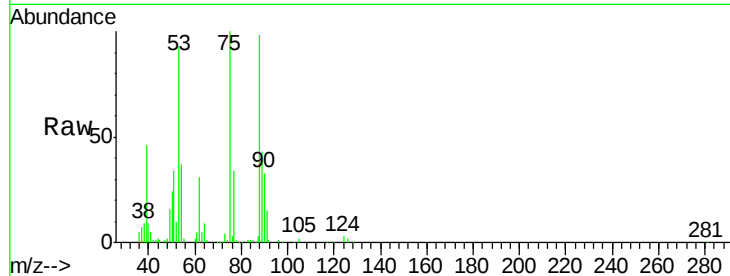
ClientSampled :

ICVVN030619

Tot Ion:	75	Resp:	113216
Ion	Ratio	Lower	Upper
75	100		
53	95.1	76.4	114.6
89	43.1	35.3	52.9

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#82

4-Chlorotoluene

Concen: 47.313 ug/l

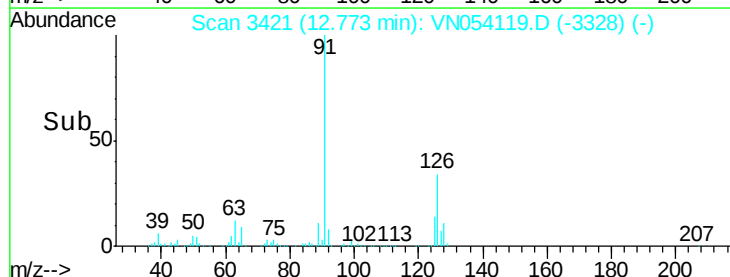
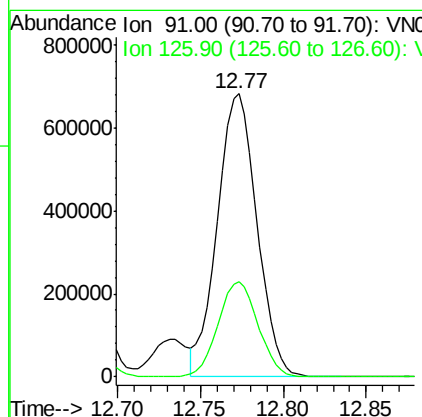
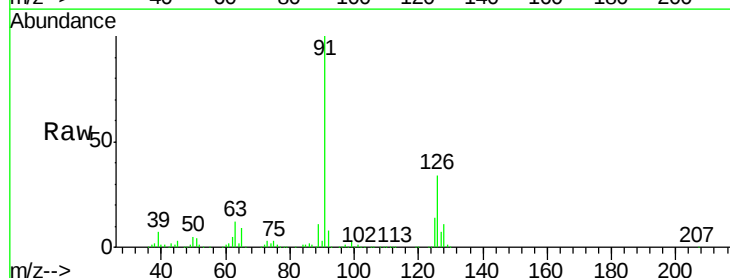
RT: 12.77 min Scan# 3421

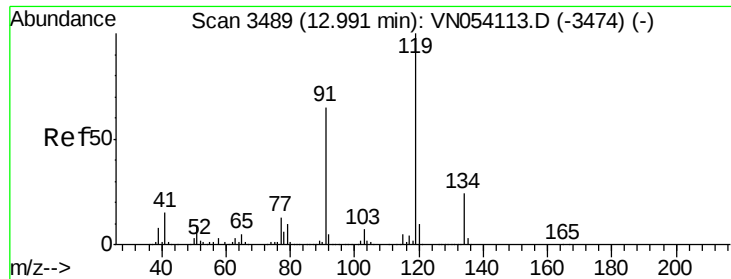
Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	91	Resp:	1130256
Ion	Ratio	Lower	Upper
91	100		
126	34.1	17.1	51.3





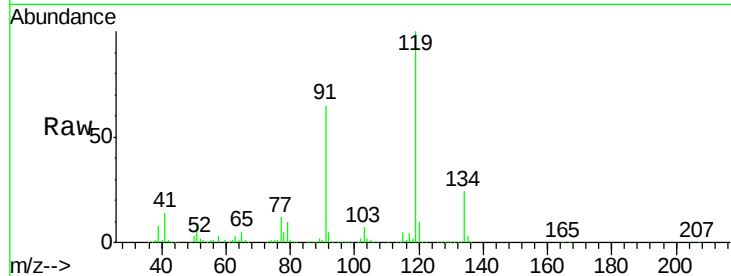
#83
tert-Butylbenzene
Concen: 48.322 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

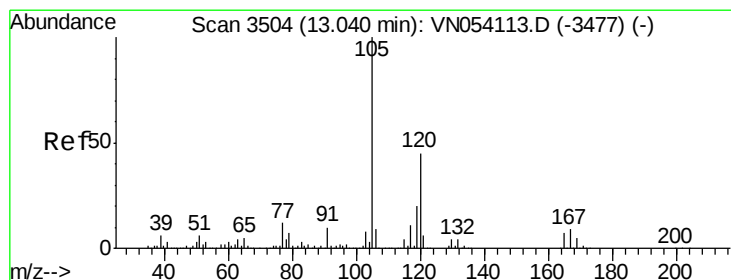
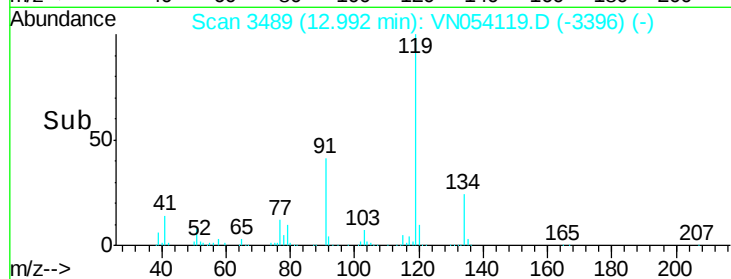
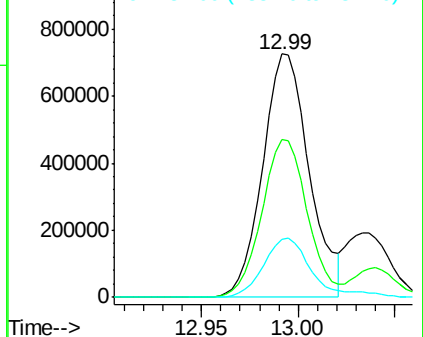
Tot Ion	Ratio	Lower	Upper
119	100		
91	63.1	31.8	95.3
134	25.4	12.8	38.3

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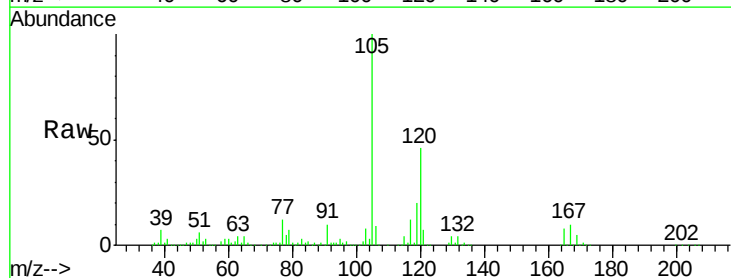


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

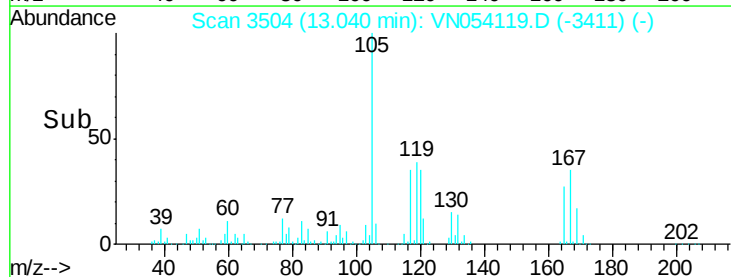
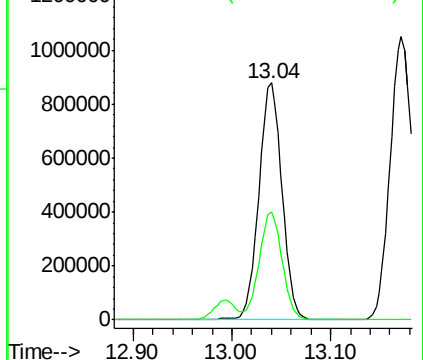


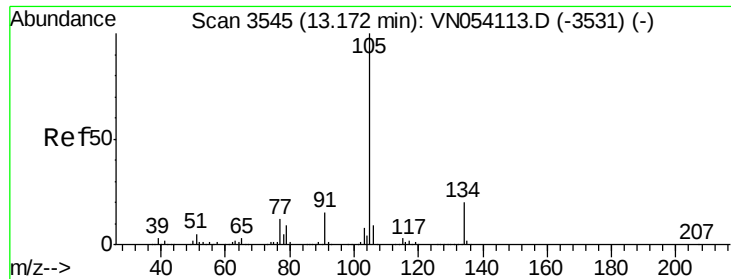
#84
1,2,4-Trimethylbenzene
Concen: 50.038 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.6	67.7



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





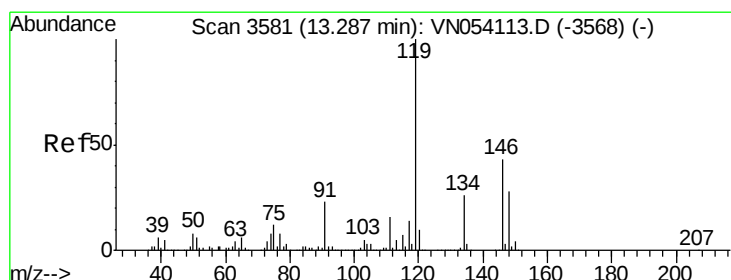
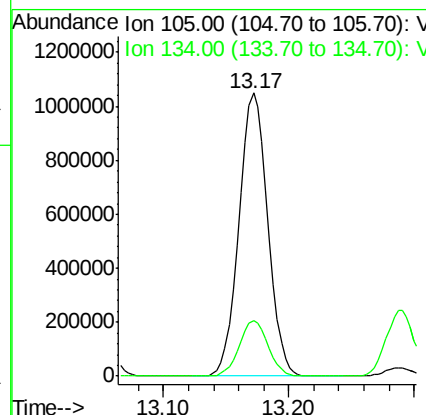
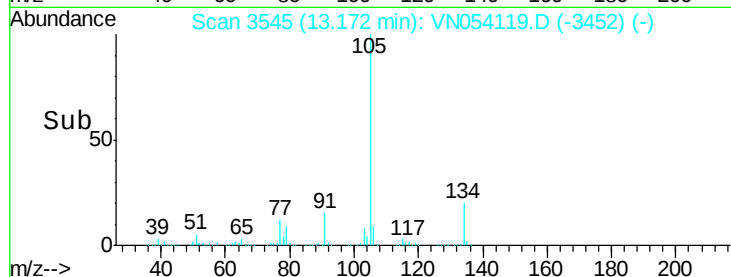
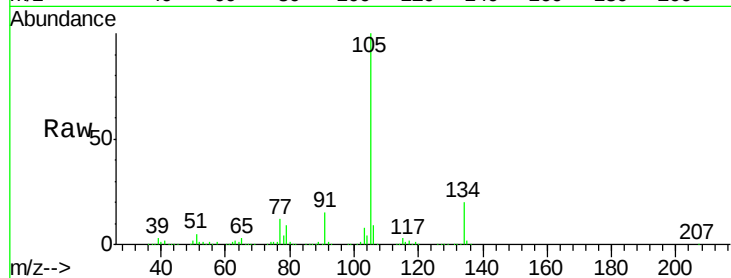
#85
 sec-Butylbenzene
 Concen: 48.614 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

Tot Ion:105 Resp: 1665346
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.8 29.5

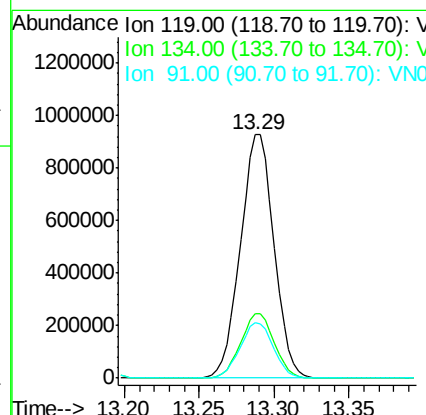
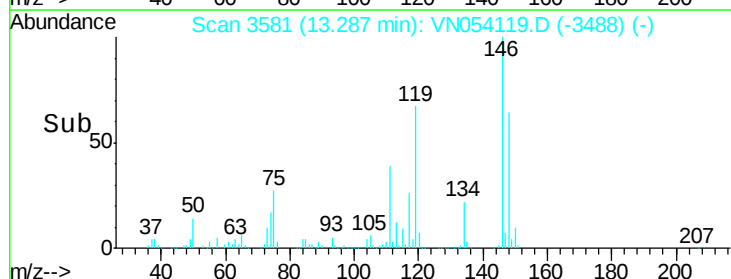
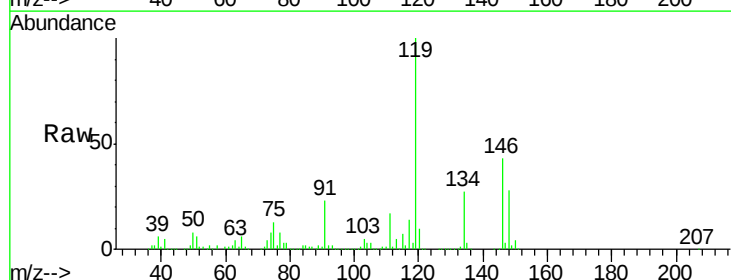
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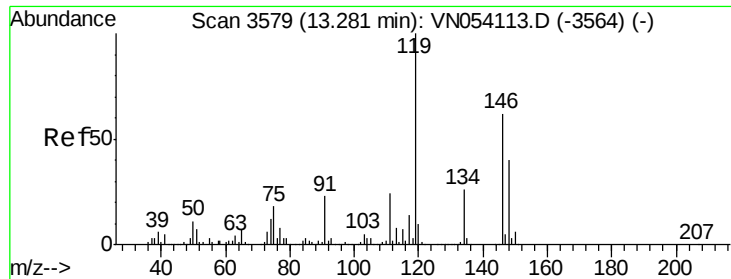
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#86
 p-Isopropyltoluene
 Concen: 50.112 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion:119 Resp: 1443143
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.2 39.5
 91 22.7 11.4 34.2





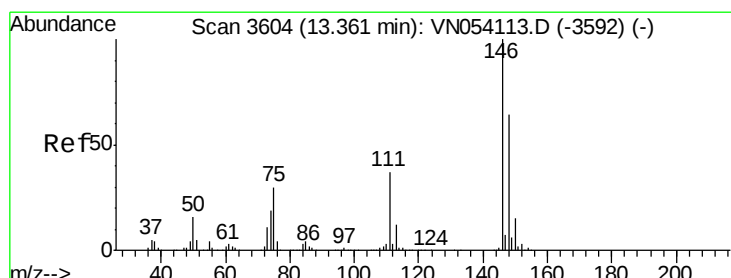
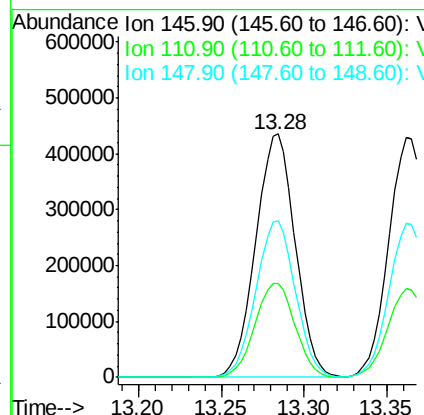
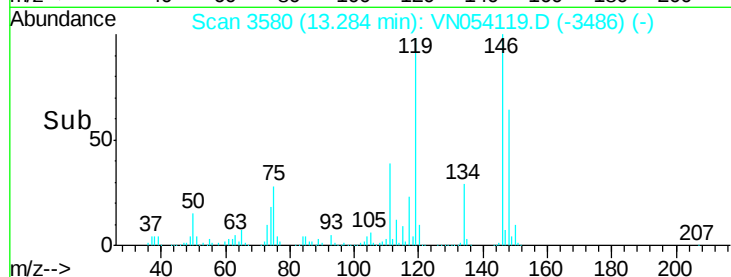
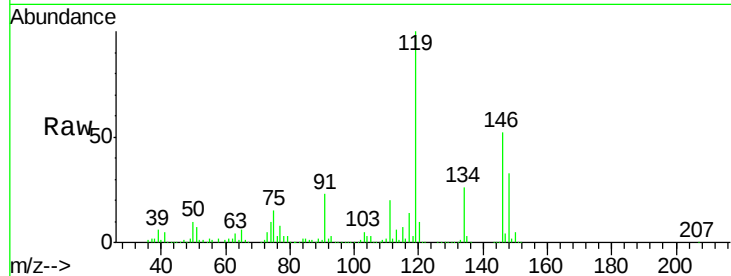
#87
 1,3-Dichlorobenzene
 Concen: 46.984 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Instrument :
 MSVOA_N
 ClientSampled :
 ICVVN030619

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.3	57.8
148	64.3	32.4	97.0

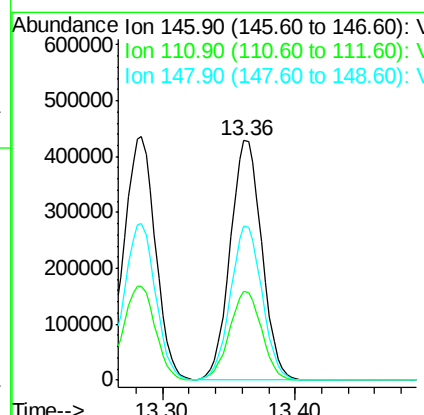
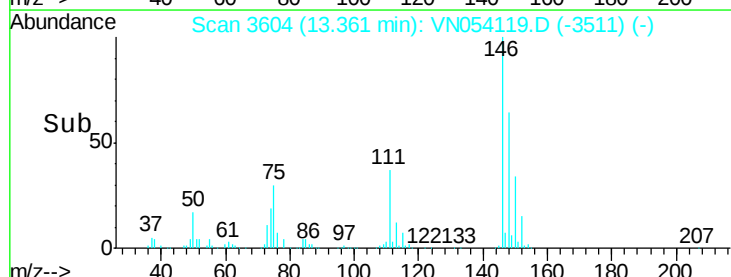
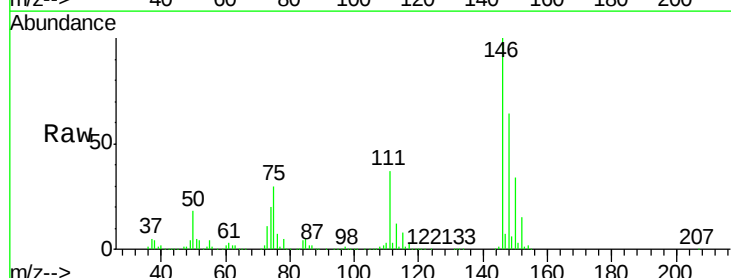
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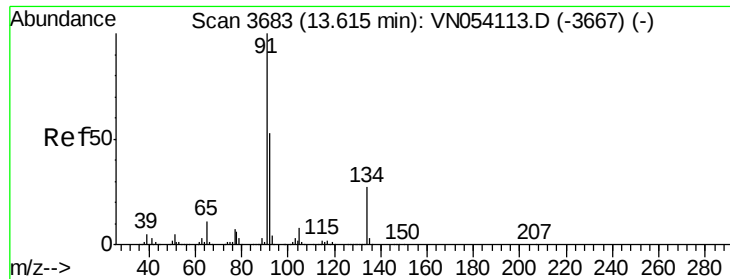
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#88
 1,4-Dichlorobenzene
 Concen: 46.411 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054119.D
 Acq: 6 Mar 2019 16:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.5
148	64.4	32.1	96.5





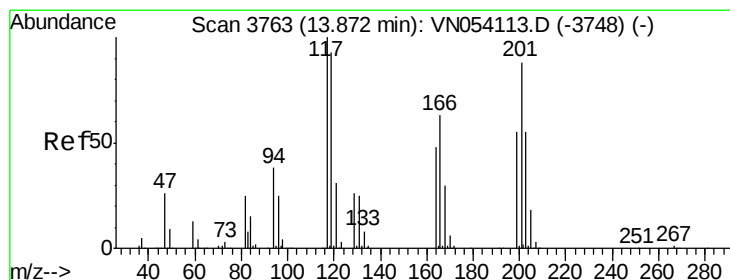
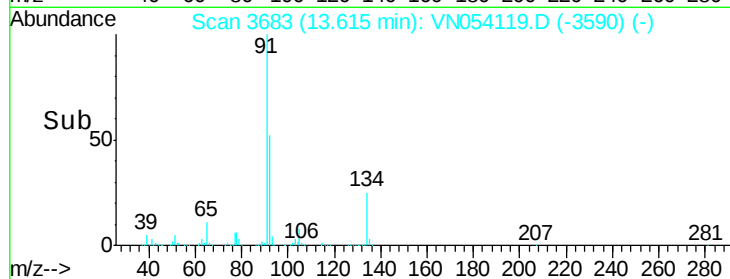
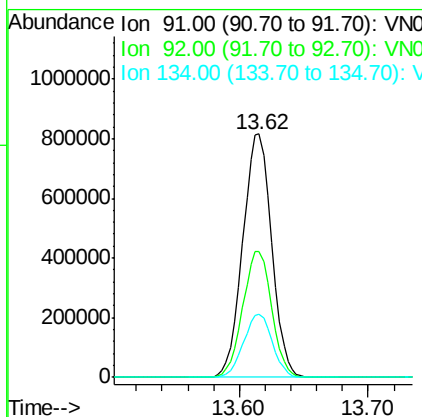
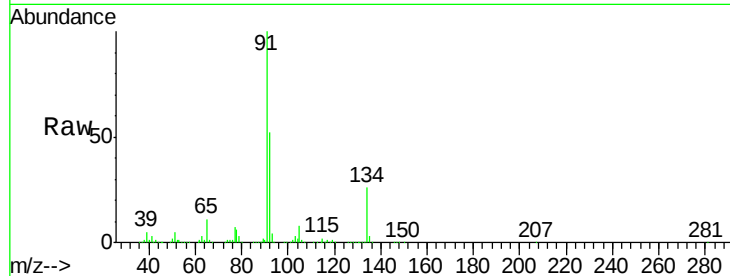
#89
n-Butylbenzene
Concen: 52.224 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Instrument :
MSVOA_N
ClientSampleId :
ICVVN030619

Tot Ion: 91 Resp: 1269839
Ion Ratio Lower Upper
91 100
92 52.1 26.0 78.0
134 25.9 13.1 39.1

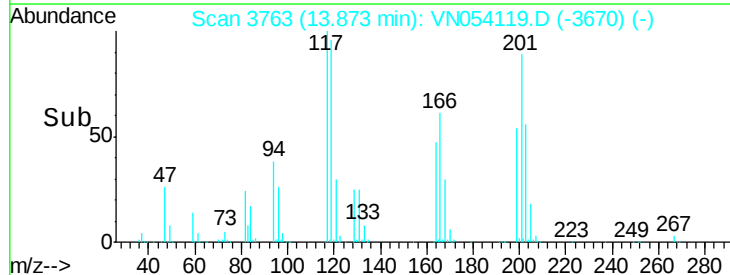
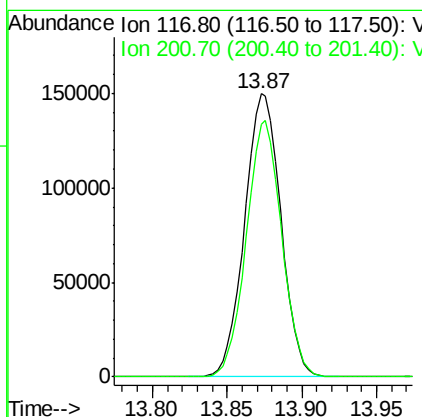
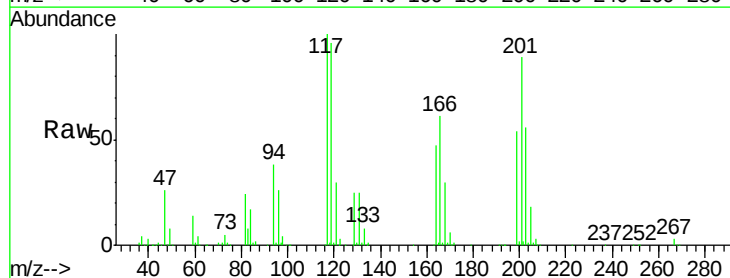
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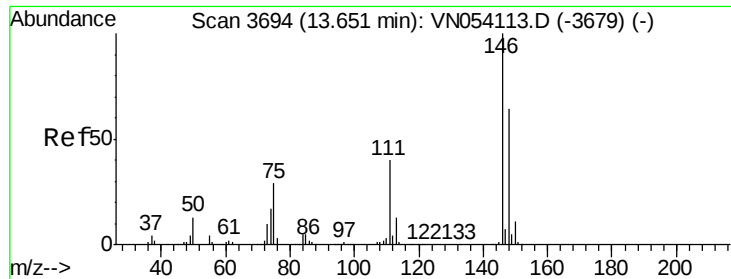
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#90
Hexachloroethane
Concen: 45.752 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054119.D
Acq: 6 Mar 2019 16:20

Tgt Ion: 117 Resp: 252715
Ion Ratio Lower Upper
117 100
201 88.3 44.9 134.7





#91

1,2-Dichlorobenzene

Concen: 50.919 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

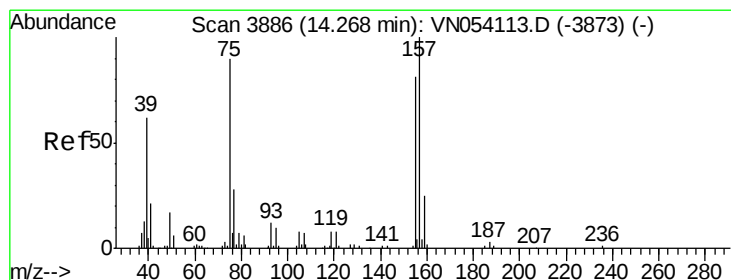
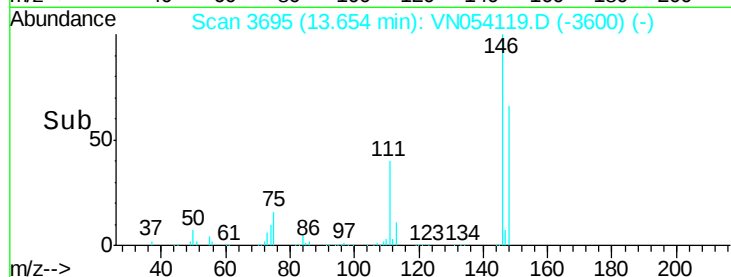
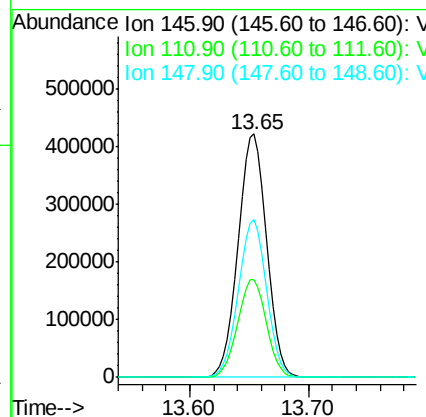
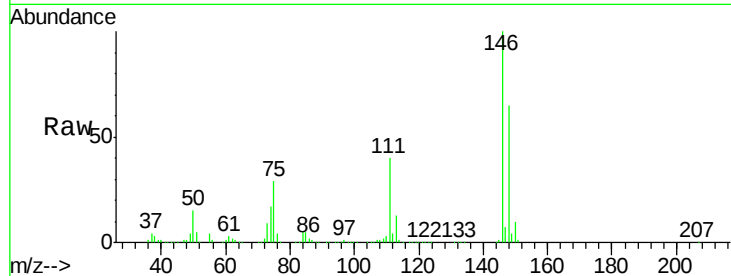
ClientSampled :

ICVVN030619

Tot Ion:	146	Resp:	703480
Ion Ratio	Lower	Upper	
146	100		
111	40.4	20.0	60.0
148	64.0	32.3	96.9

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 50.654 ug/l

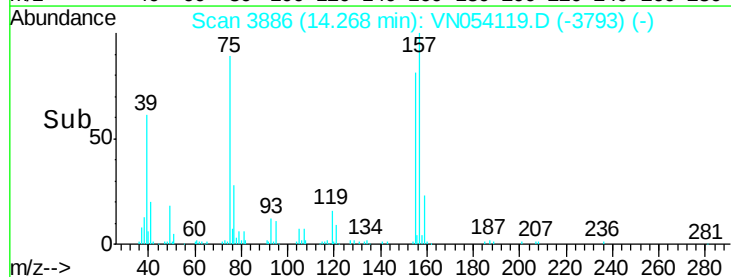
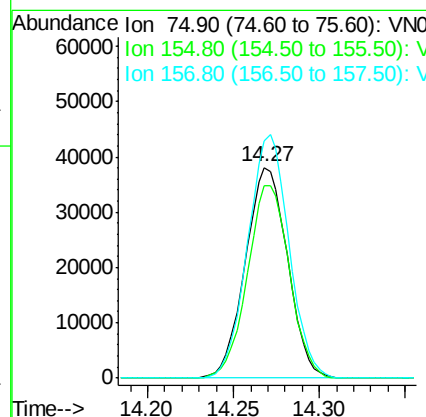
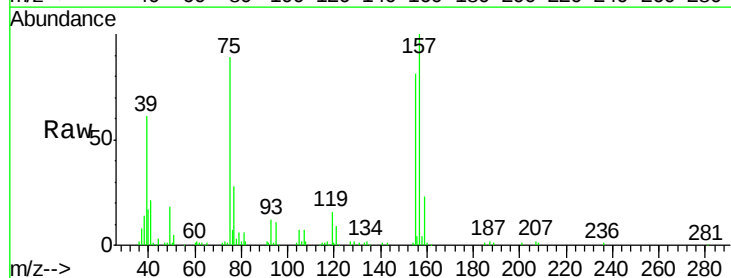
RT: 14.27 min Scan# 3886

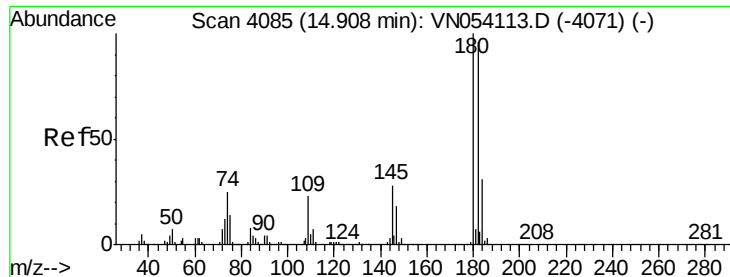
Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	75	Resp:	64806
Ion Ratio	Lower	Upper	
75	100		
155	90.7	44.5	133.5
157	113.0	57.2	171.6





#93

1,2,4-Trichlorobenzene

Concen: 54.404 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

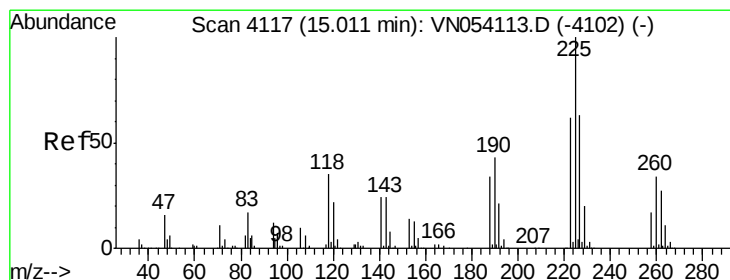
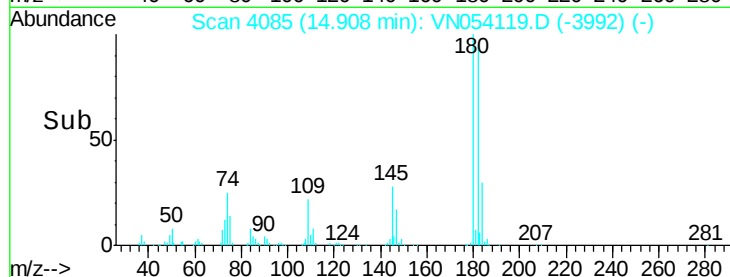
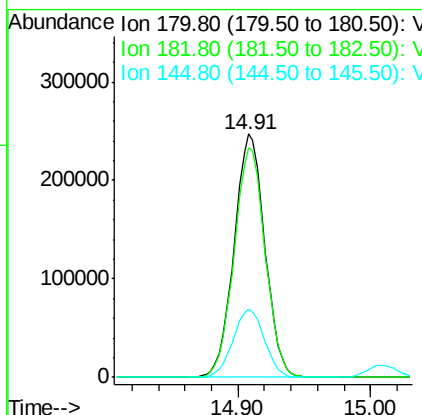
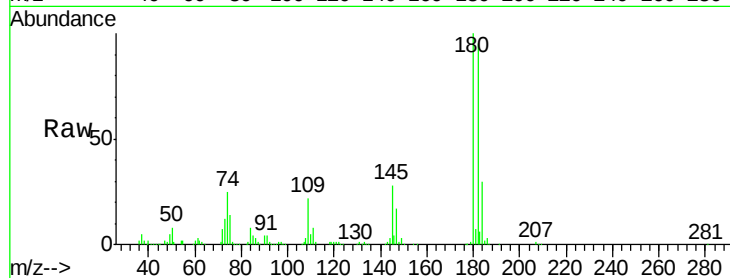
ClientSampled :

ICVVN030619

Tot Ion:	180	Resp:	396718
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.1	144.3
145	28.6	13.9	41.7

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:22 AM



#94

Hexachlorobutadiene

Concen: 58.079 ug/l

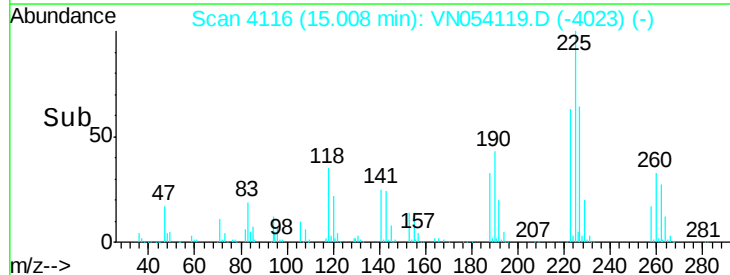
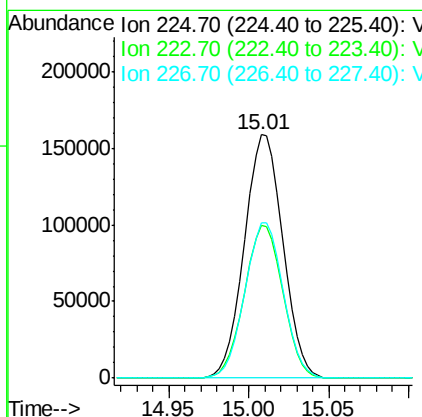
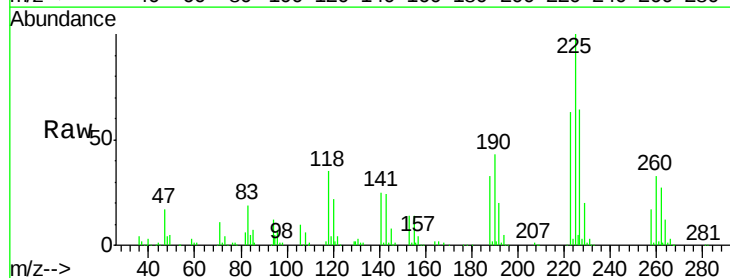
RT: 15.01 min Scan# 4116

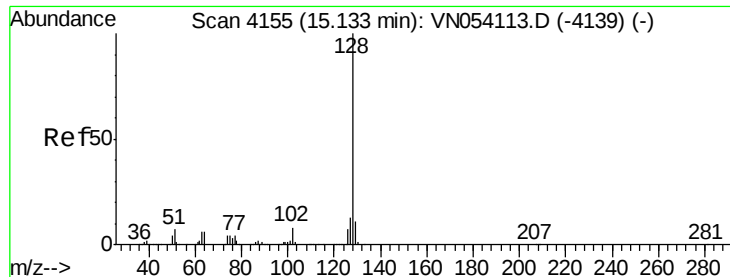
Delta R.T. -0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	225	Resp:	260877
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.2	93.6
227	63.7	31.9	95.7





#95

Naphthalene

Concen: 49.223 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Instrument :

MSVOA_N

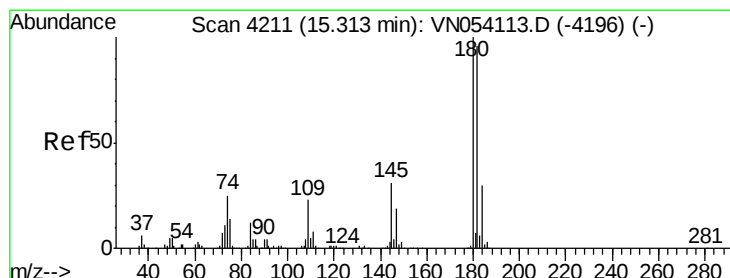
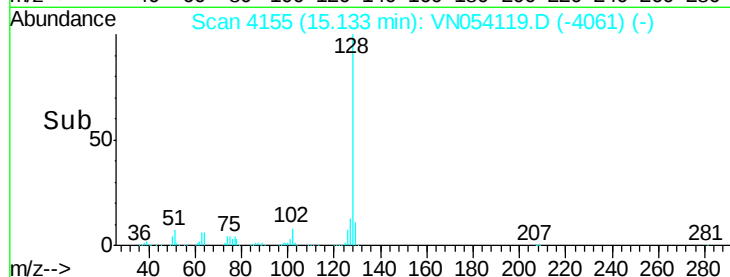
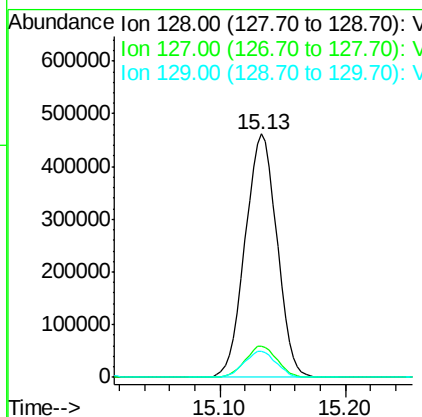
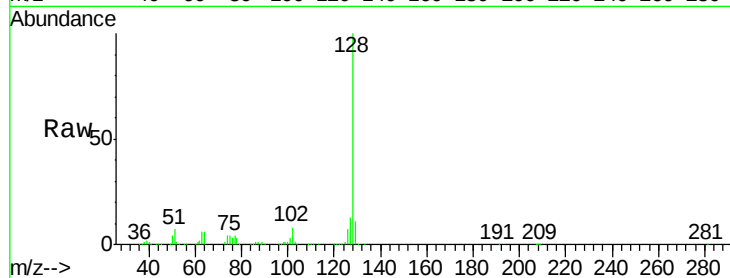
ClientSampleId :

ICVVN030619

Tot Ion:	128	Resp:	814587
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
3/7/2019 11:39:22 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.693 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054119.D

Acq: 6 Mar 2019 16:20

Tgt Ion:	180	Resp:	386634
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.9	143.7
145	30.3	14.9	44.5

