

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
 Data File : VN053319.D
 Acq On : 9 Jan 2019 9:07
 Operator : MD\SY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/10/2019 9:25:13 AM

Quant Time: Jan 10 03:22:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1134606	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1692317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1516923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	712456	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	558820	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	7.59	113	483405	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	
50) Toluene-d8	10.09	98	2056365	49.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.96%	
62) 4-Bromofluorobenzene	12.40	95	724250	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	496463	49.633	ug/l	100
3) Chloromethane	2.06	50	628683	45.007	ug/l	99
4) Vinyl Chloride	2.19	62	630862	47.318	ug/l	100
5) Bromomethane	2.57	94	416133	47.765	ug/l	99
6) Chloroethane	2.71	64	377519	46.912	ug/l	100
7) Trichlorofluoromethane	3.02	101	834469	48.321	ug/l	100
8) Diethyl Ether	3.41	74	323738	47.829	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	543587	49.666	ug/l	99
10) Methyl Iodide	3.96	142	781248	50.923	ug/l	100
11) Tert butyl alcohol	4.78	59	180713	254.528	ug/l	99
12) 1,1-Dichloroethene	3.74	96	507229	47.912	ug/l	100
13) Acrolein	3.61	56	196567	220.195	ug/l	100
14) Allyl chloride	4.33	41	795877	46.643	ug/l	100
15) Acrylonitrile	4.99	53	997930	235.452	ug/l	100
16) Acetone	3.81	43	904121	318.866	ug/l	98
17) Carbon Disulfide	4.06	76	1517142	46.483	ug/l	99
18) Methyl Acetate	4.32	43	462821	43.322	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	1429501	48.112	ug/l	99
20) Methylene Chloride	4.55	84	577999	45.591	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	545716	48.008	ug/l	99
22) Diisopropyl ether	5.95	45	1768883	48.122	ug/l	99
23) Vinyl Acetate	5.90	43	5608749	242.499	ug/l	99
24) 1,1-Dichloroethane	5.85	63	1007094	47.503	ug/l	100
25) 2-Butanone	6.83	43	1212575	250.389	ug/l	99
26) 2,2-Dichloropropane	6.82	77	782264	50.477	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	628975	48.454	ug/l	99
28) Bromochloromethane	7.19	49	439991	48.702	ug/l	98
29) Tetrahydrofuran	7.21	42	742421	232.313	ug/l	99
30) Chloroform	7.37	83	990036	47.445	ug/l	98
31) Cyclohexane	7.65	56	945745	46.932	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	828666	47.656	ug/l	100
36) 1,1-Dichloropropene	7.79	75	788144	49.886	ug/l	100
37) Ethyl Acetate	6.93	43	495906	48.189	ug/l	100
38) Carbon Tetrachloride	7.77	117	728298	49.943	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	918715	50.194	ug/l	99
40) Benzene	8.04	78	2369590	49.101	ug/l	99
41) Methacrylonitrile	7.17	41	253482	39.675	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	691045	48.274	ug/l	99
43) Isopropyl Acetate	8.16	43	889636	43.945	ug/l	99
44) Trichloroethene	8.83	130	656796	49.564	ug/l	99
45) 1,2-Dichloropropane	9.12	63	624387	49.330	ug/l	99
46) Dibromomethane	9.21	93	361803	49.024	ug/l	100
47) Bromodichloromethane	9.40	83	765219	49.755	ug/l	99
48) Methyl methacrylate	9.20	41	444238	48.301	ug/l	98
49) 1,4-Dioxane	9.20	88	111364	1136.473	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2485402	244.132	ug/l	100
52) Toluene	10.16	92	1483358	50.101	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	809094	51.426	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	928617	51.077	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	525689	48.288	ug/l	100
56) Ethyl methacrylate	10.43	69	722137	51.045	ug/l	99
57) 1,3-Dichloropropane	10.71	76	899511	49.409	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1879361	245.725	ug/l	100
59) 2-Hexanone	10.75	43	1798478	257.834	ug/l	99
60) Dibromochloromethane	10.90	129	594071	50.594	ug/l	99
61) 1,2-Dibromoethane	11.00	107	526482	49.007	ug/l	99
64) Tetrachloroethene	10.63	164	704795	49.365	ug/l	99
65) Chlorobenzene	11.43	112	1622707	49.243	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	575088	49.860	ug/l	100
67) Ethyl Benzene	11.51	91	2837111	50.667	ug/l	100
68) m/p-Xylenes	11.62	106	2154572	102.328	ug/l	100
69) o-Xylene	11.95	106	1040113	50.458	ug/l	100
70) Styrene	11.96	104	1728771	51.530	ug/l	100
71) Bromoform	12.13	173	416075	51.071	ug/l #	99
73) Isopropylbenzene	12.25	105	2737444	51.607	ug/l	100
74) N-amyl acetate	12.07	43	801144	50.579	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	595285	48.786	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	533172m	51.308	ug/l	
77) Bromobenzene	12.53	156	718346	50.740	ug/l	99
78) n-propylbenzene	12.59	91	3125877	52.097	ug/l	100
79) 2-Chlorotoluene	12.67	91	1831843	50.456	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	2197816	51.438	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	196609	55.666	ug/l	99
82) 4-Chlorotoluene	12.77	91	1898434	50.995	ug/l	100
83) tert-Butylbenzene	12.99	119	1898162	50.634	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	2239163	51.441	ug/l	100
85) sec-Butylbenzene	13.17	105	2536363	51.303	ug/l	100
86) p-Isopropyltoluene	13.29	119	2226155	52.007	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	1242409	49.834	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	1233385	49.872	ug/l	100
89) n-Butylbenzene	13.62	91	1870641	52.125	ug/l	100
90) Hexachloroethane	13.88	117	351335	51.209	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	1157311	49.558	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	77311	52.237	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	399049	54.346	ug/l	99
94) Hexachlorobutadiene	15.01	225	317117	52.801	ug/l	98
95) Naphthalene	15.13	128	714203	57.016	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	266652	55.467	ug/l	100

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

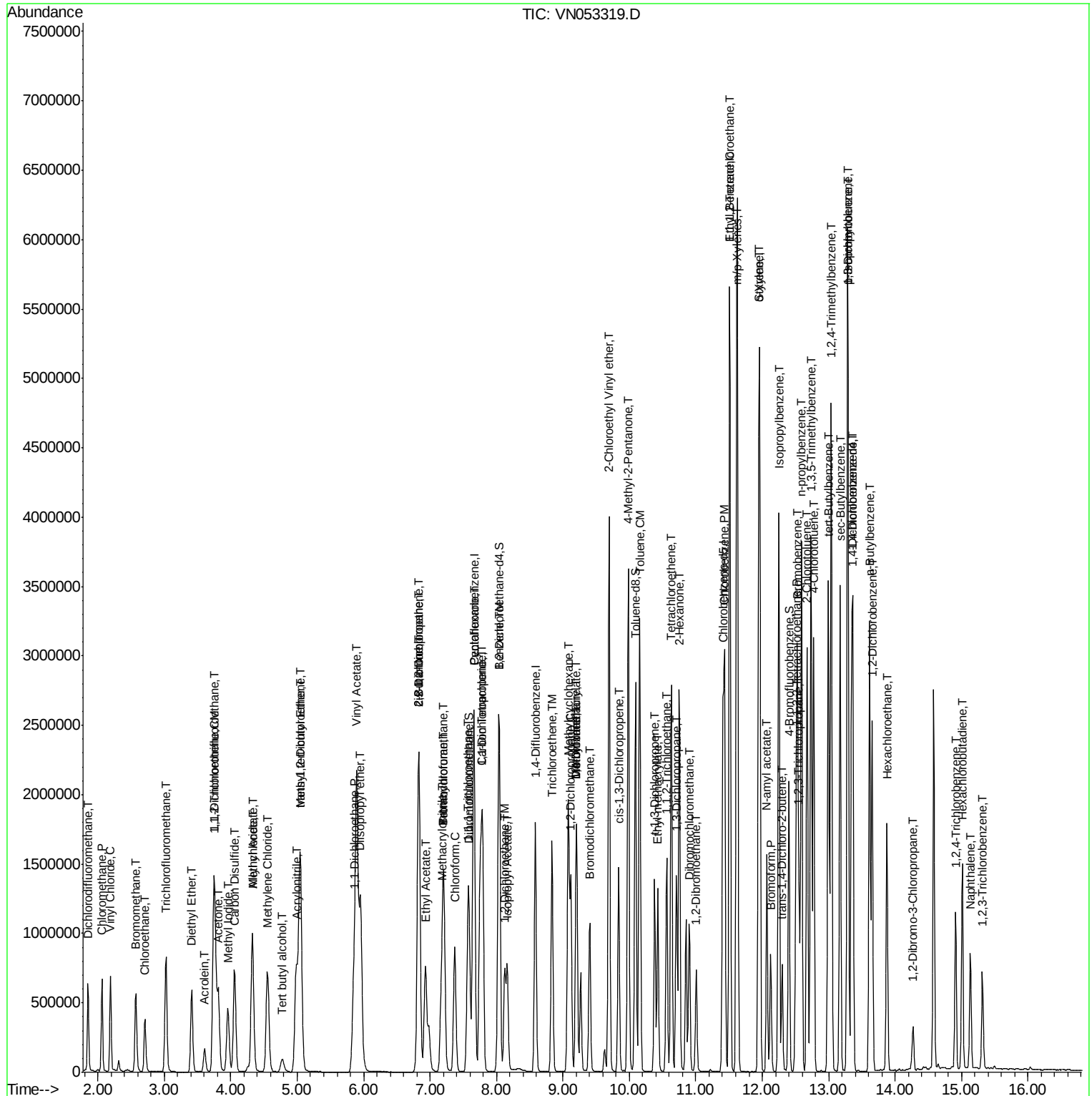
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010919\
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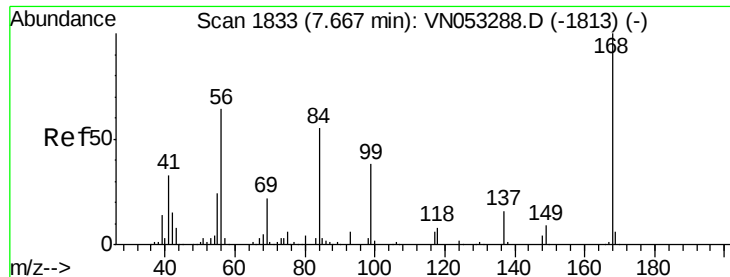
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 1134606

Ion Ratio Lower Upper

168 100

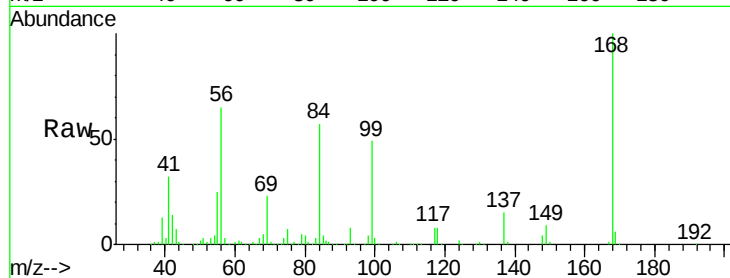
99 48.7 39.1 58.7

Manual Integrations

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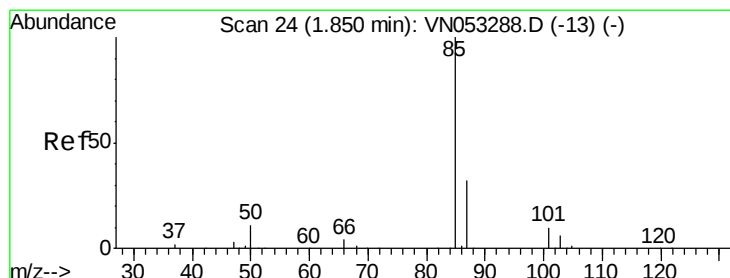
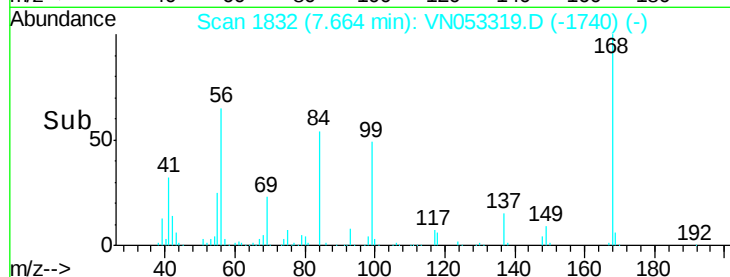
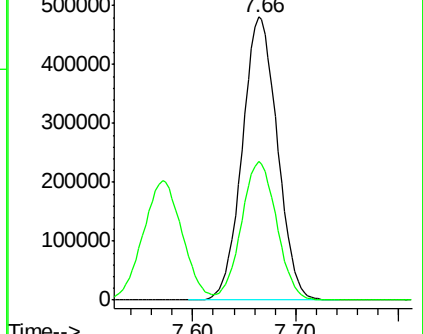
MMDadoda

1/10/2019 9:25:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.633 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN053319.D

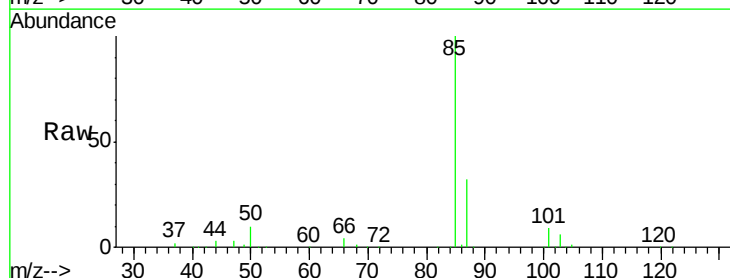
Acq: 9 Jan 2019 9:07

Tgt Ion: 85 Resp: 496463

Ion Ratio Lower Upper

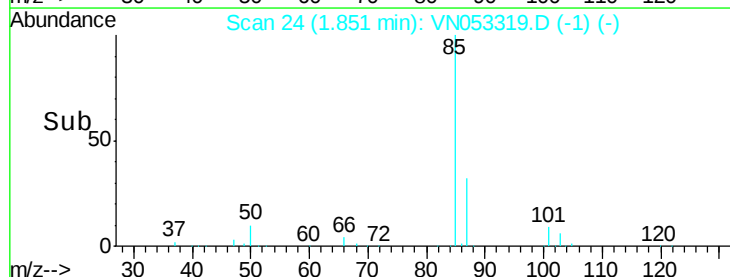
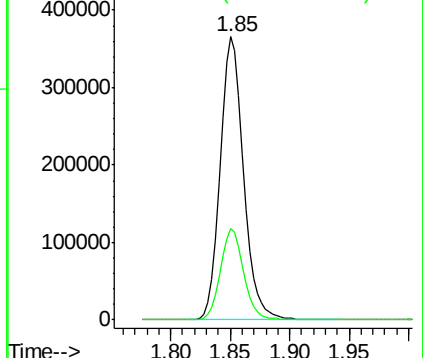
85 100

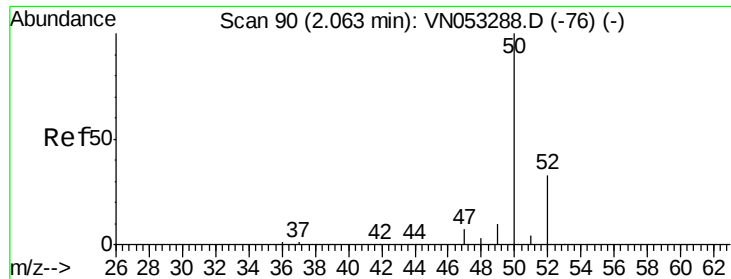
87 32.2 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.007 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tot Ion: 50 Resp: 628683

Ion Ratio Lower Upper

50 100

52 32.8 26.6 40.0

Instrument :

MSVOA_N

ClientSampleId :

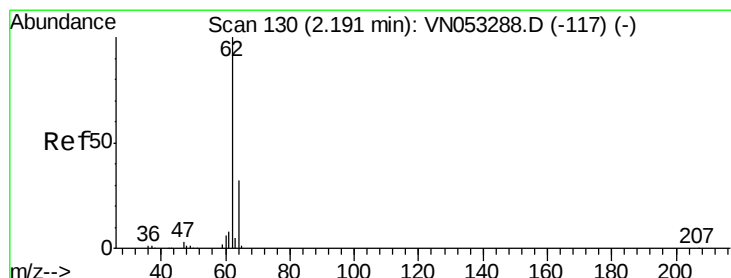
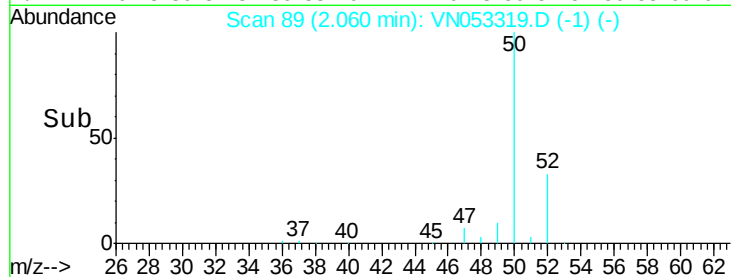
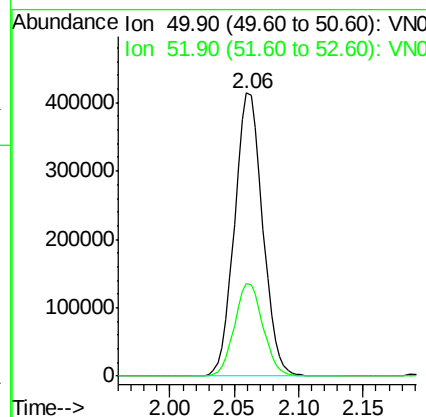
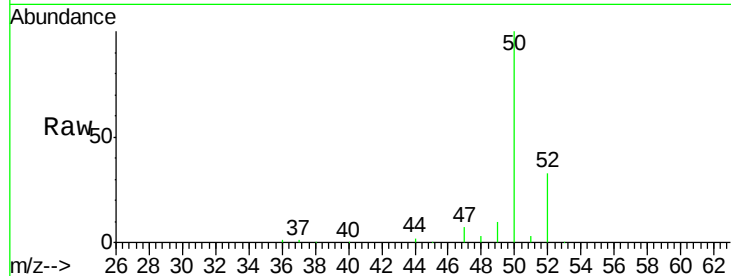
VSTDCCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.318 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN053319.D

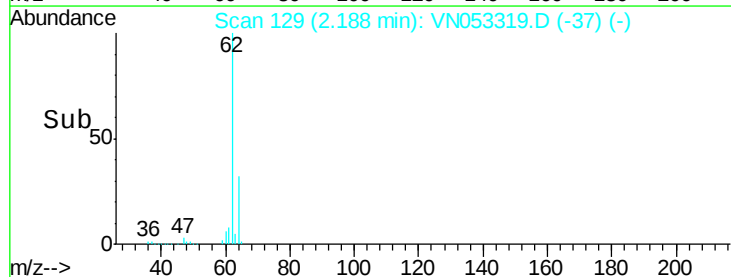
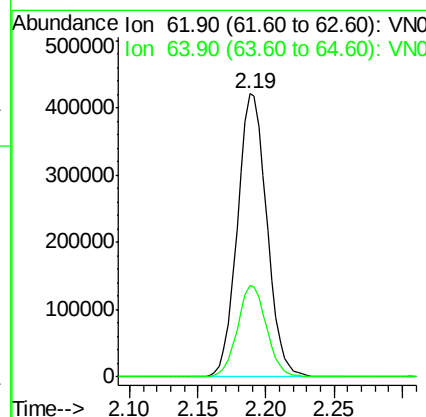
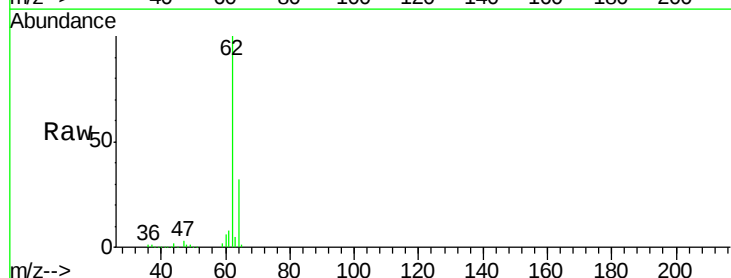
Acq: 9 Jan 2019 9:07

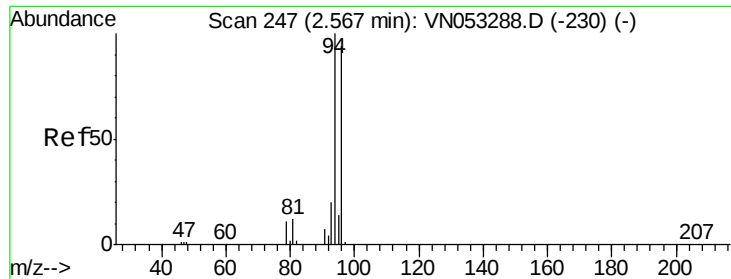
Tgt Ion: 62 Resp: 630862

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 47.765 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

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Tot Ion: 94 Resp: 416133

Ion Ratio Lower Upper

94 100

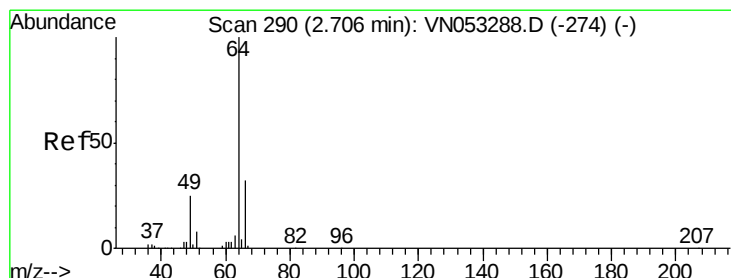
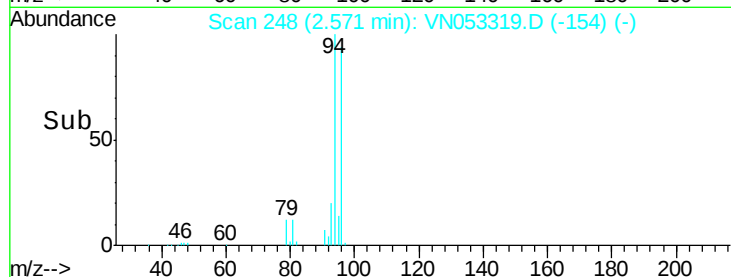
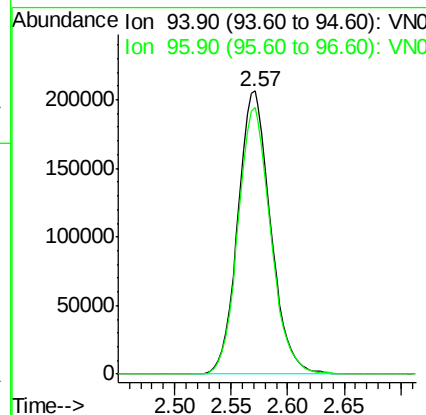
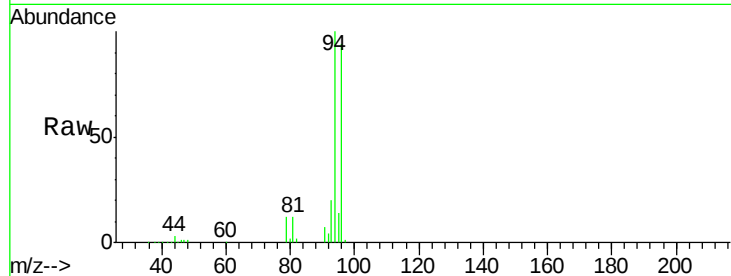
96 94.1 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 46.912 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

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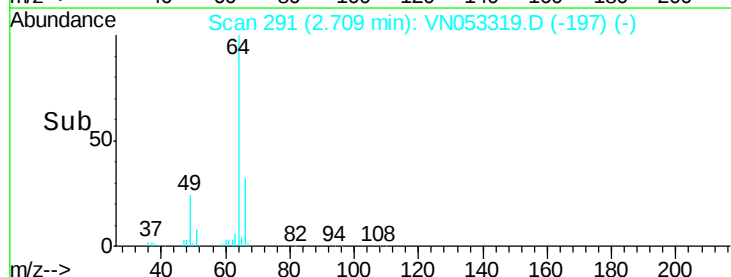
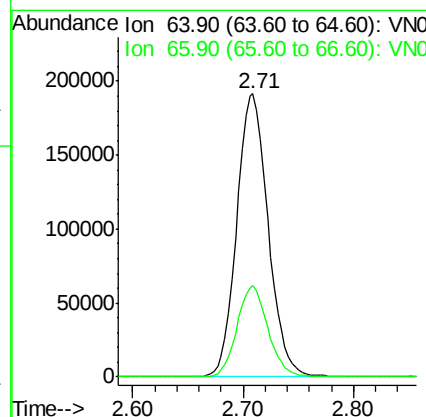
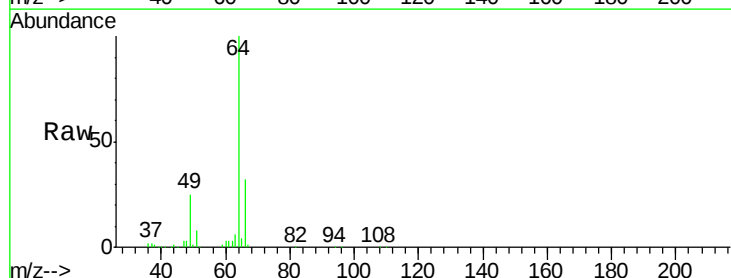
Acq: 9 Jan 2019 9:07

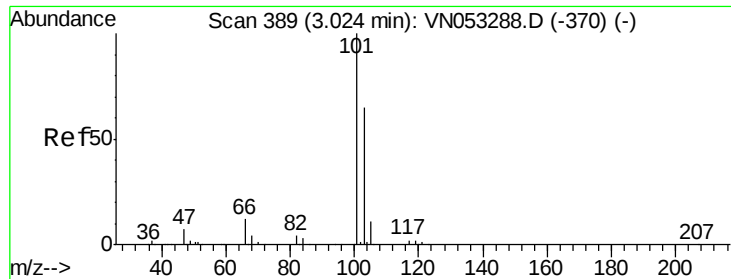
Tgt Ion: 64 Resp: 377519

Ion Ratio Lower Upper

64 100

66 32.1 25.6 38.4





#7

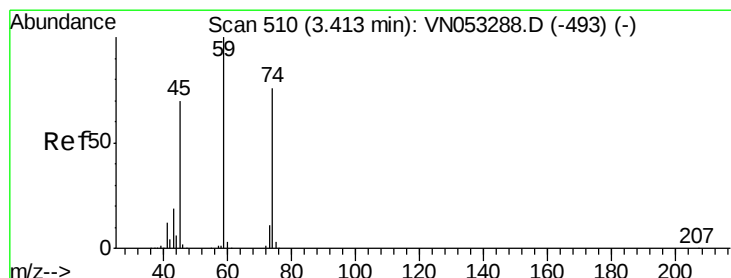
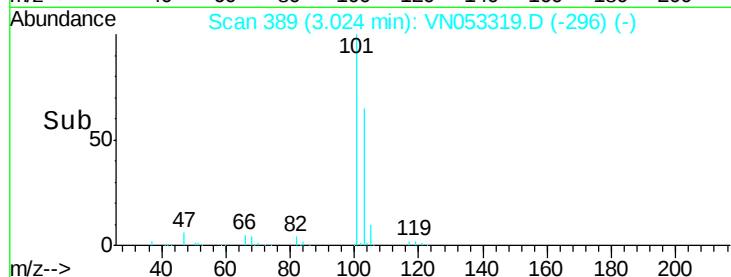
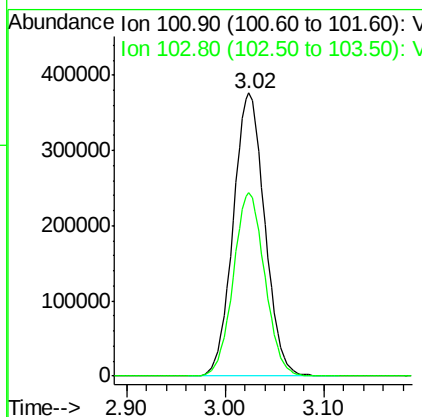
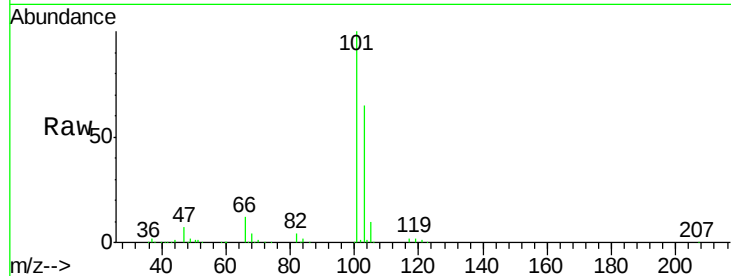
Trichlorofluoromethane
Concen: 48.321 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	52.1	78.1

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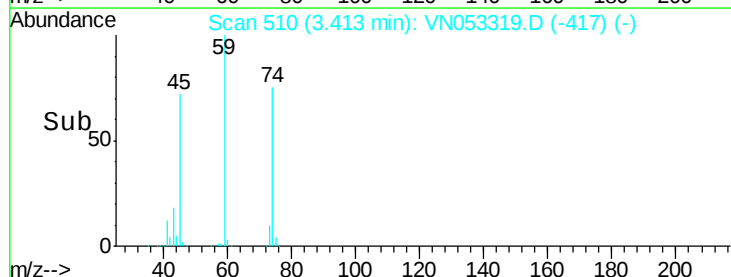
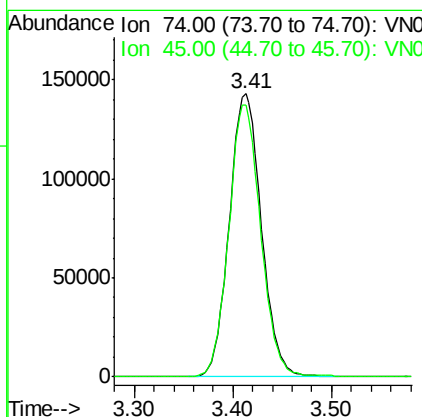
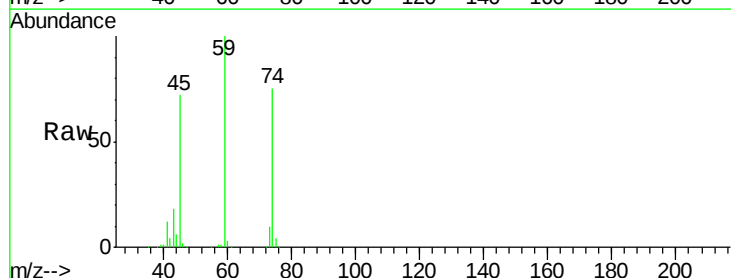
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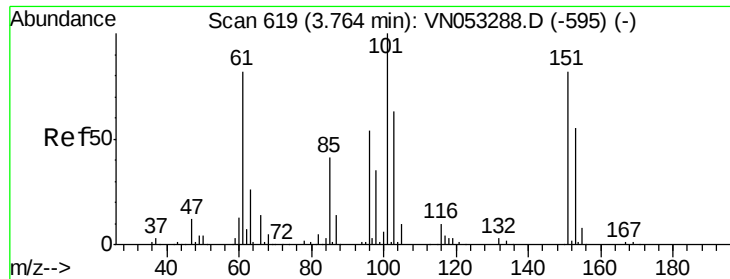


#8

Diethyl Ether
Concen: 47.829 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.3	144.9





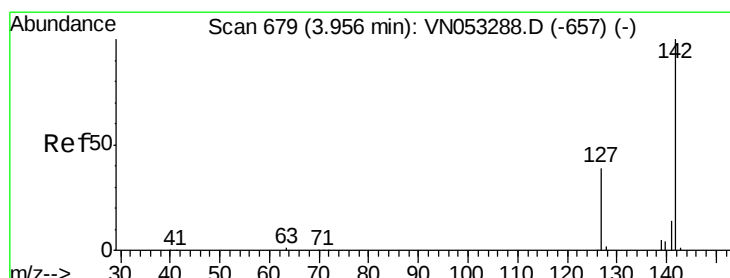
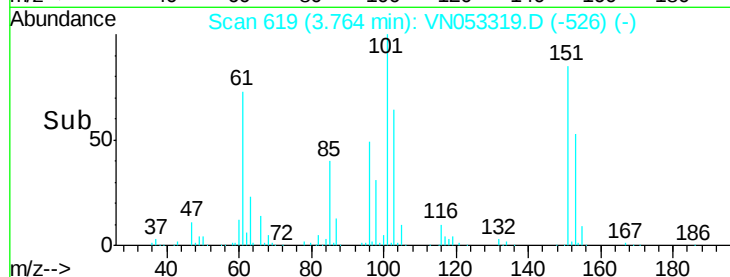
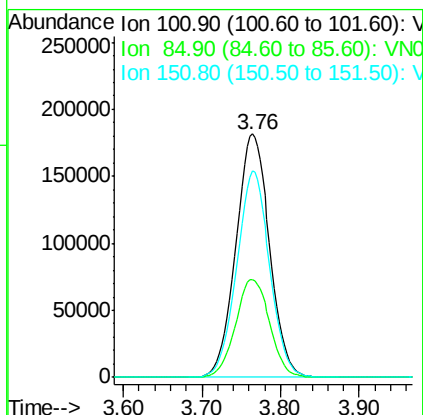
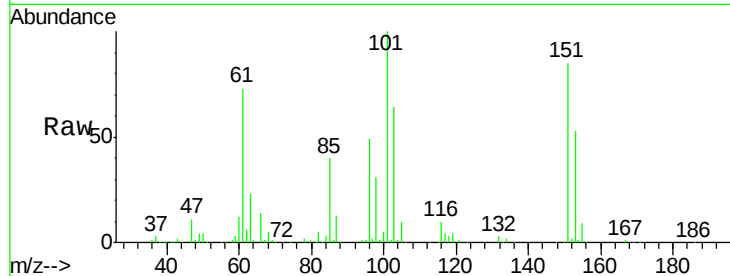
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 49.666 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	543587		
85	40.8	33.3	49.9	
151	83.1	67.0	100.4	

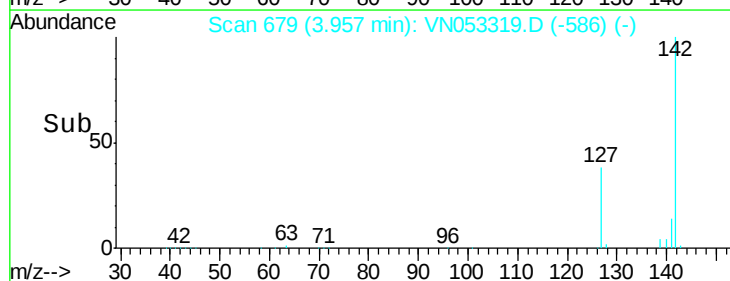
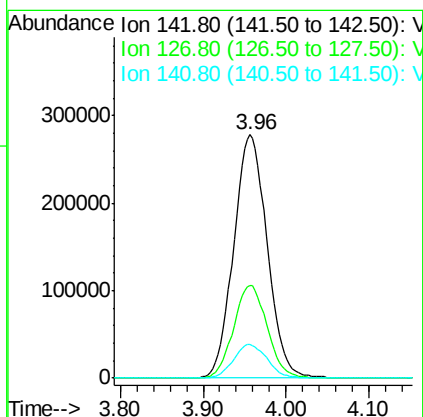
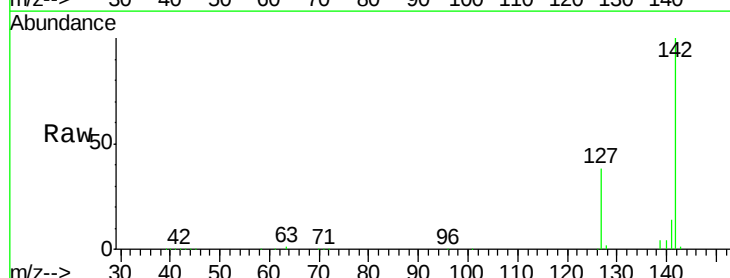
Manual Integrations
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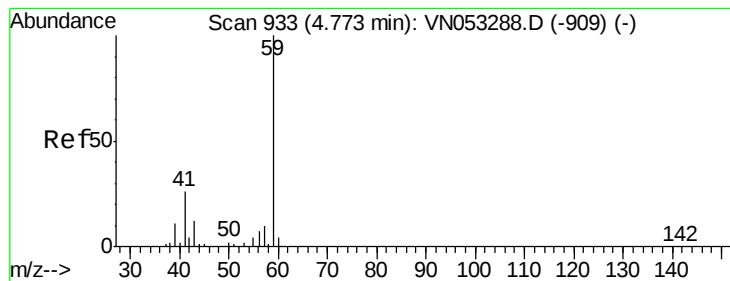
MMDadoda
 1/10/2019 9:25:13 AM



#10
 Methyl Iodide
 Concen: 50.923 ug/l
 RT: 3.96 min Scan# 679
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	781248		
127	38.3	30.9	46.3	
141	13.9	11.2	16.8	





#11

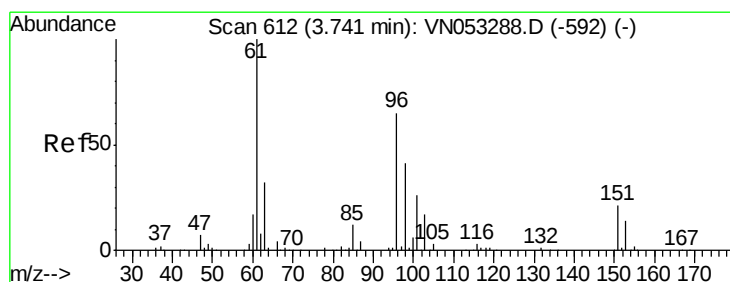
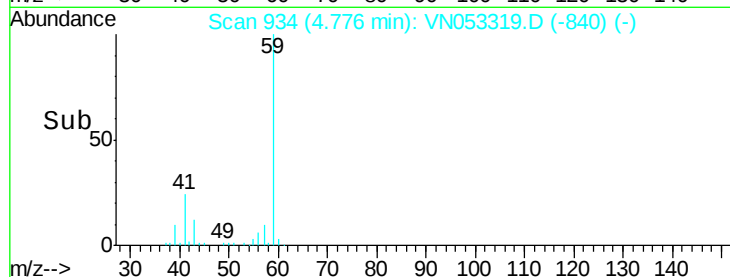
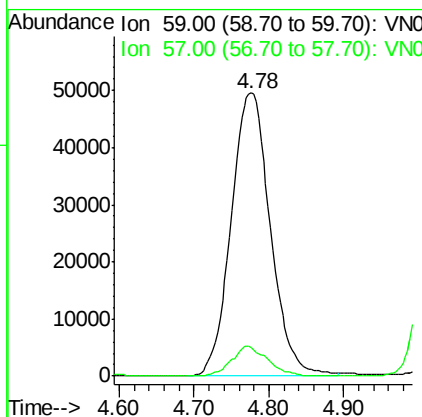
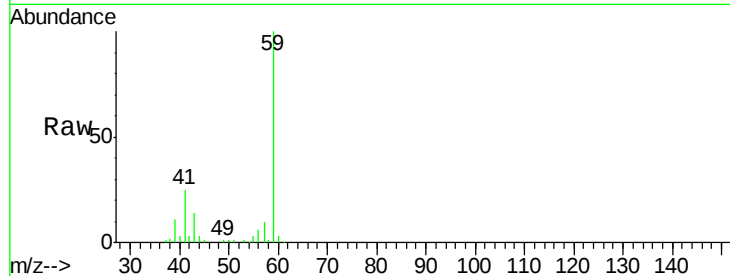
Tert butyl alcohol
Concen: 254.528 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	180713
Ion Ratio	100	Lower	Upper
57	9.7	8.0	12.0

Manual Integrations
APPROVED

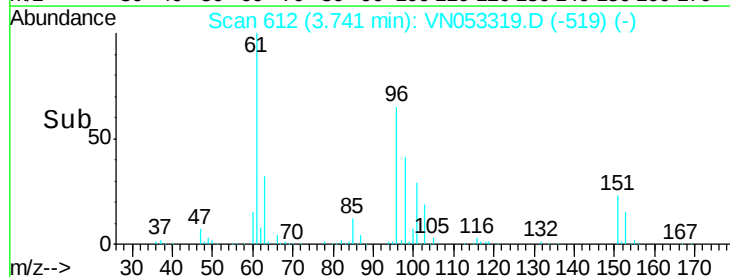
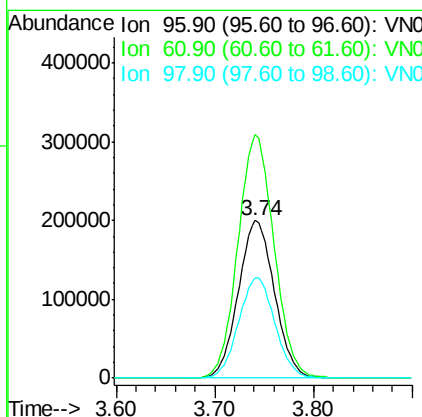
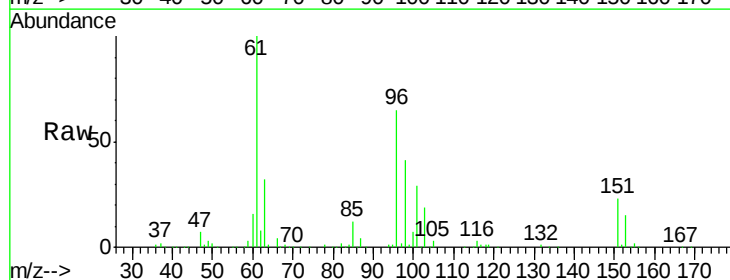
MMDadoda
1/10/2019 9:25:13 AM

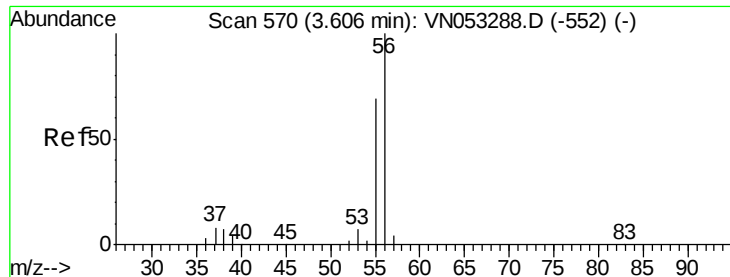


#12

1,1-Dichloroethene
Concen: 47.912 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	96	Resp	507229
Ion Ratio	100	Lower	Upper
61	154.5	123.2	184.8
98	63.6	50.5	75.7





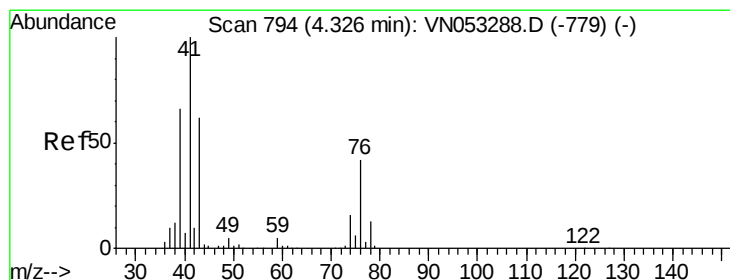
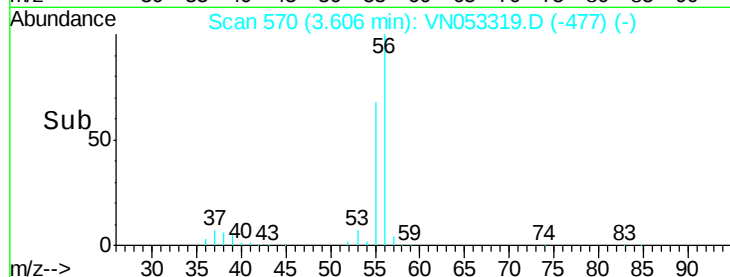
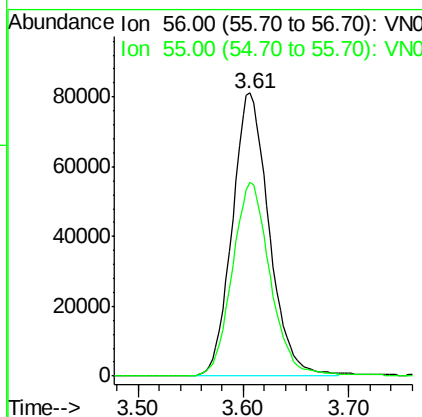
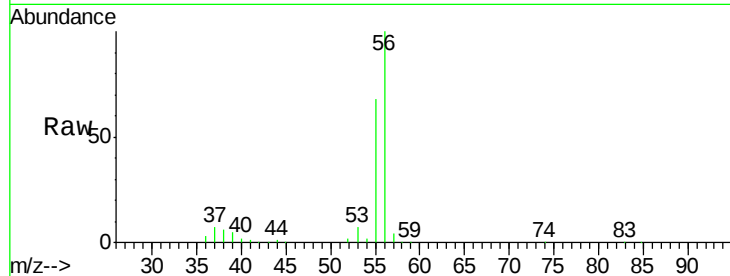
#13
Acrolein
Concen: 220.195 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	56	55	Ratio	100	Resp	196567
Lower	56.3					
Upper	84.5					

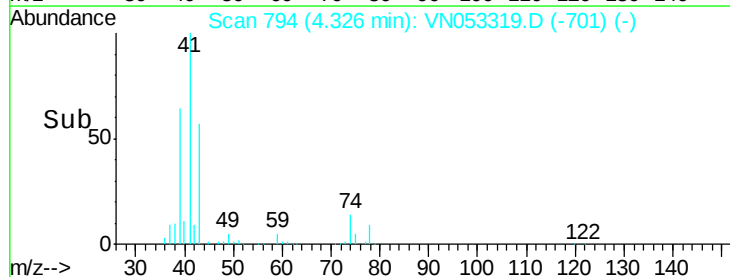
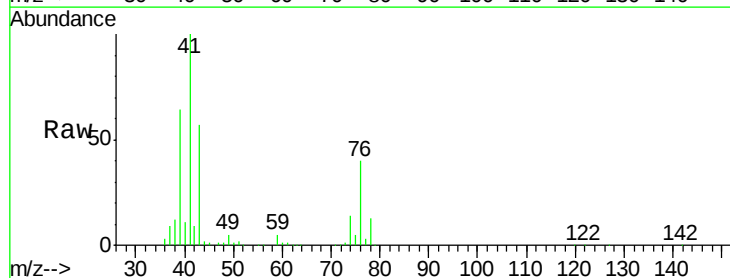
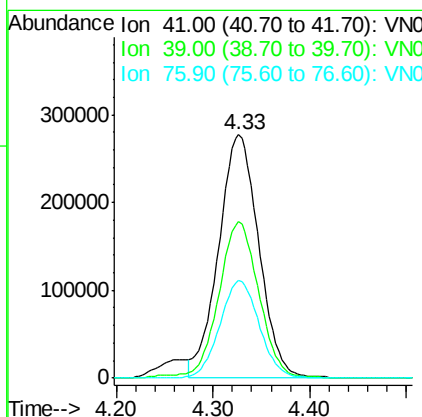
Manual Integrations
APPROVED

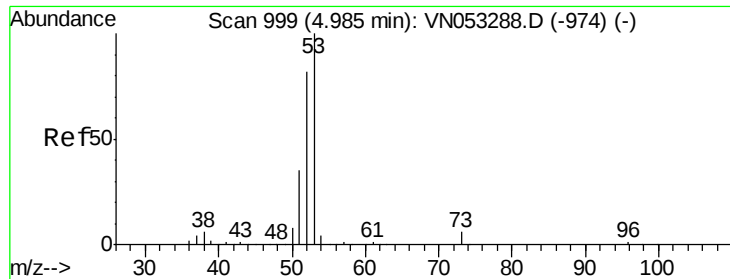
MMDadoda
1/10/2019 9:25:13 AM



#14
Allyl chloride
Concen: 46.643 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	41	39	76	Ratio	100	Resp	795877
Lower	51.9						
Upper	77.9						





#15

Acrylonitrile

Concen: 235.452 ug/l

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

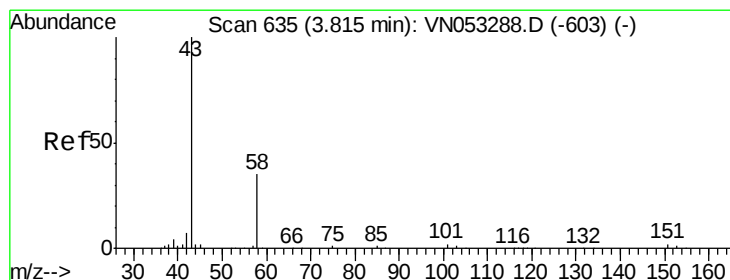
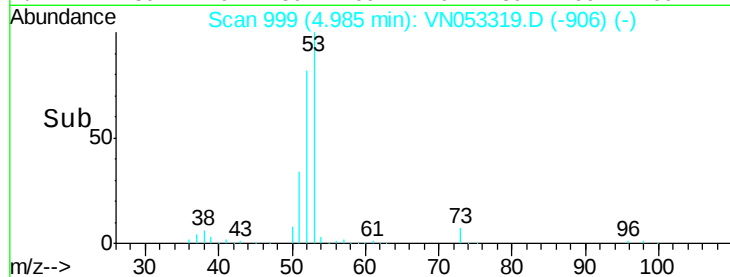
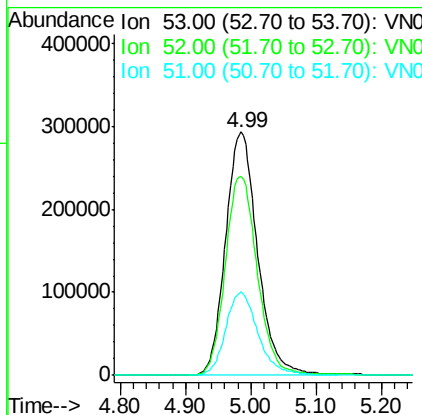
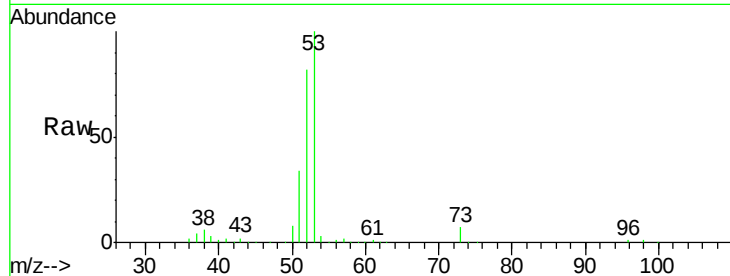
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	997930
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.2	97.8
51	34.8	28.0	42.0

Manual Integrations
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MMDadoda
1/10/2019 9:25:13 AM



#16

Acetone

Concen: 318.866 ug/l

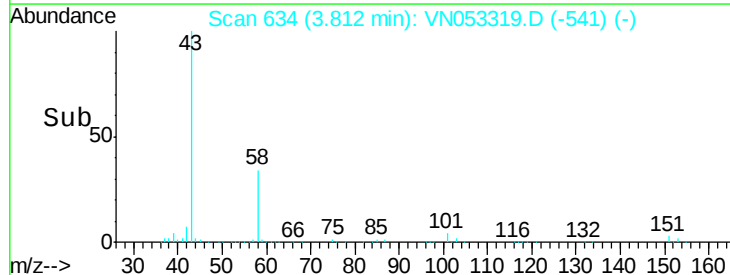
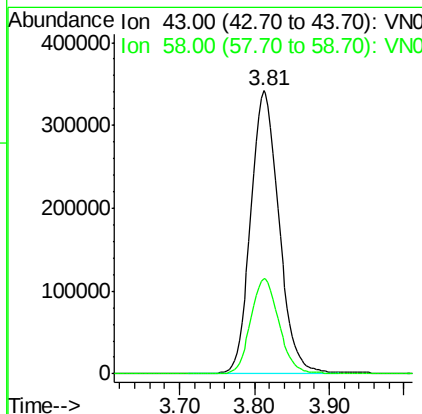
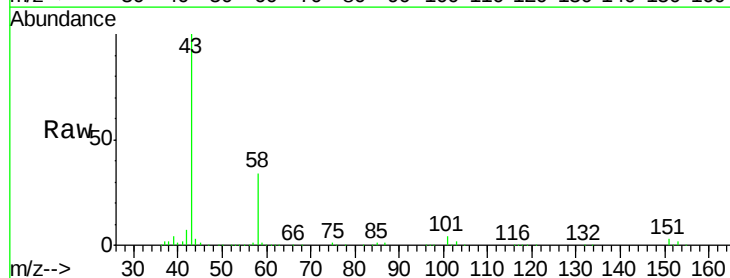
RT: 3.81 min Scan# 634

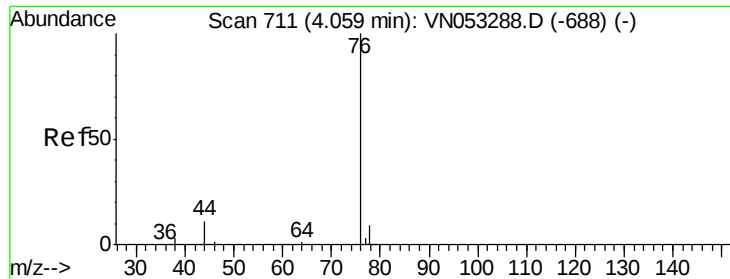
Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion:	43	Resp:	904121
Ion	Ratio	Lower	Upper
43	100		
58	33.5	27.8	41.6





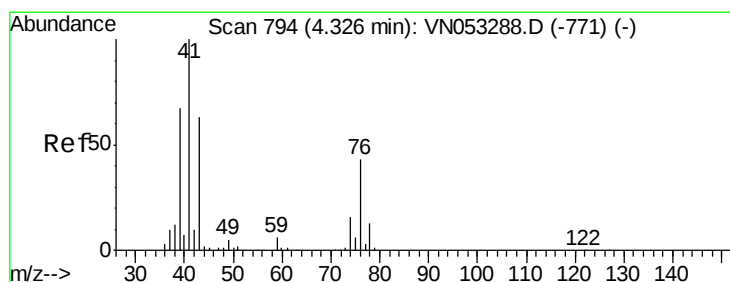
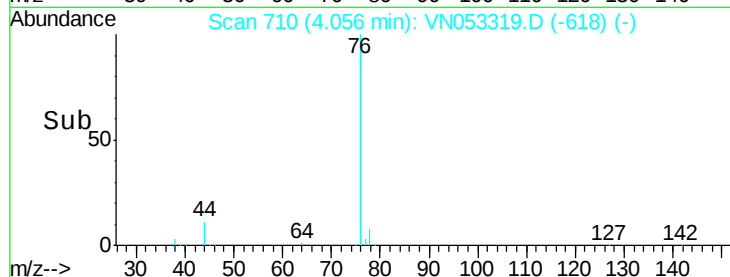
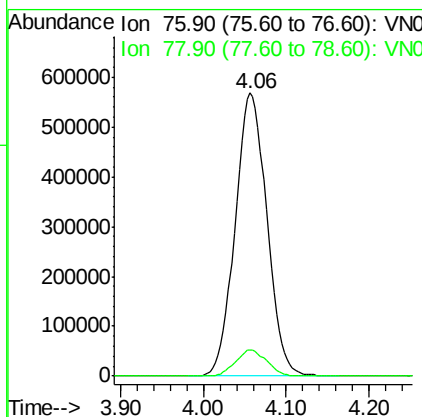
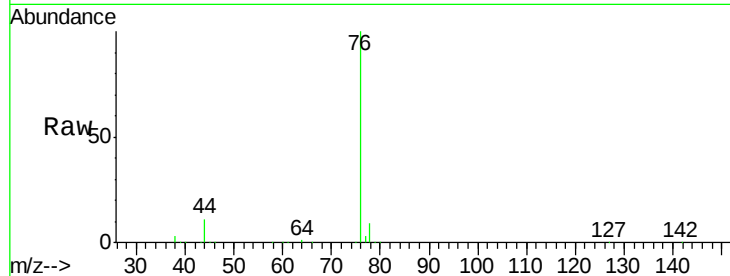
#17
Carbon Disulfide
Concen: 46.483 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1517142
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

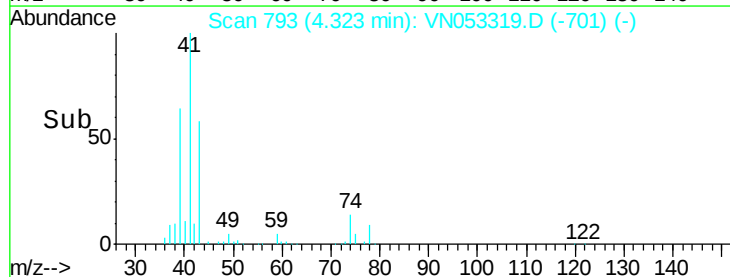
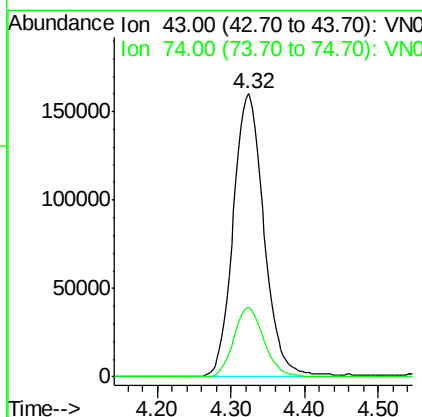
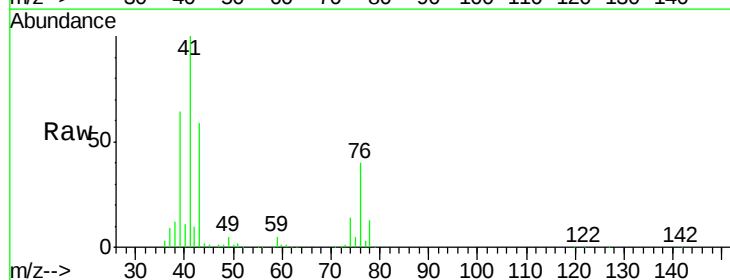
Manual Integrations
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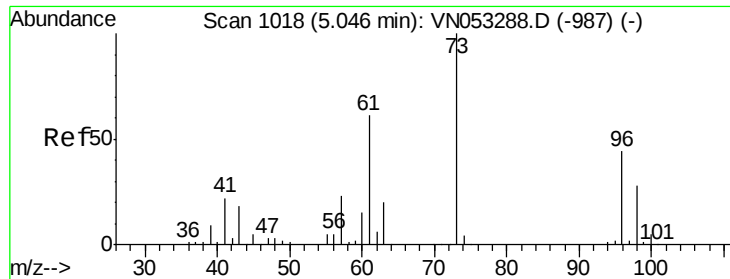
MMDadoda
1/10/2019 9:25:13 AM



#18
Methyl Acetate
Concen: 43.322 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 43 Resp: 462821
Ion Ratio Lower Upper
43 100
74 24.3 19.8 29.8





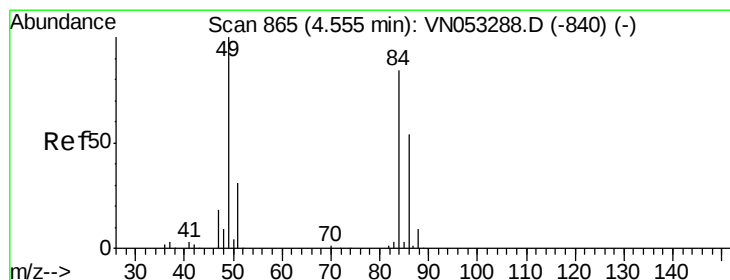
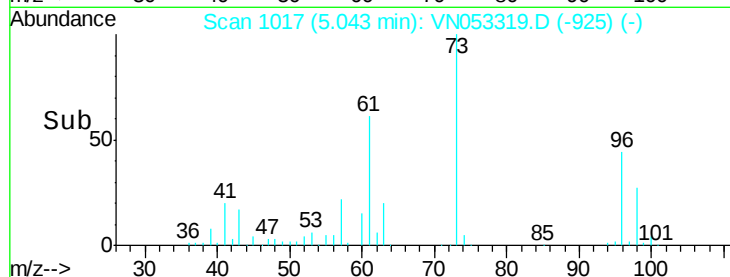
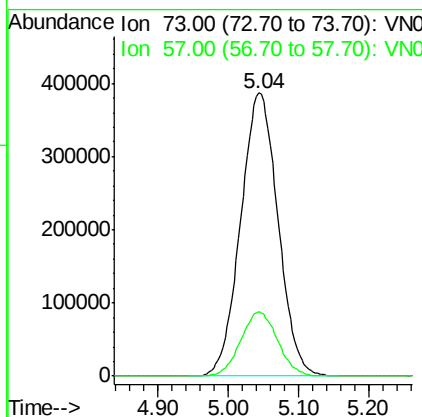
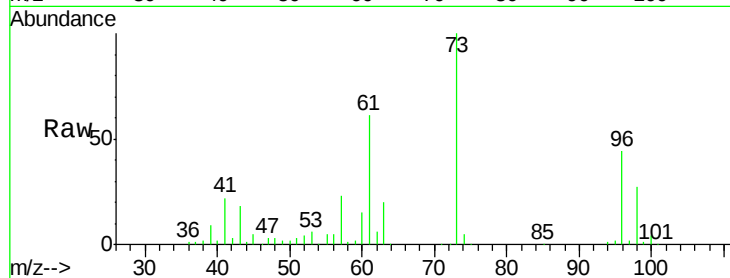
#19
Methvl tert-butvl Ether
Concen: 48.112 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 1429501
Ion Ratio Lower Upper
73 100
57 22.7 18.5 27.7

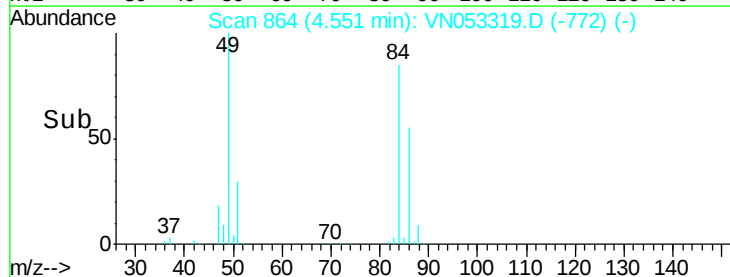
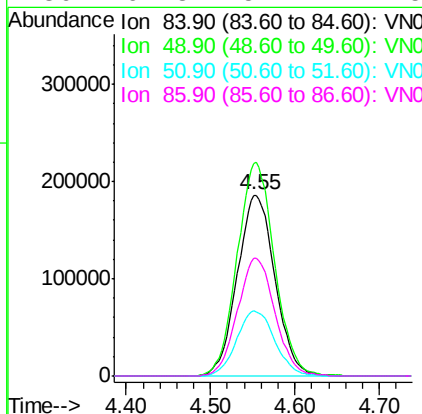
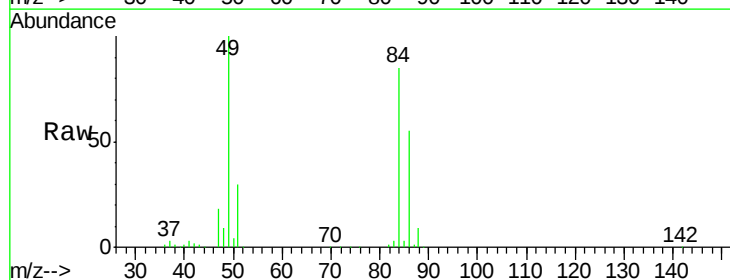
Manual Integrations
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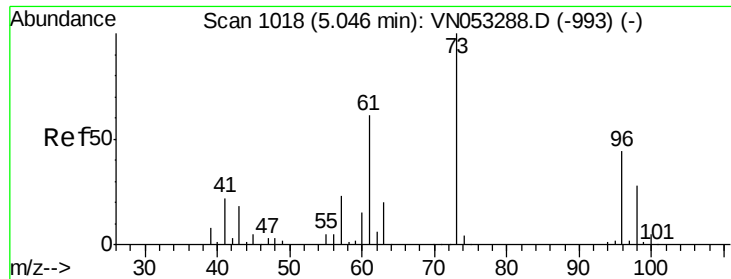
MMDadoda
1/10/2019 9:25:13 AM



#20
Methylene Chloride
Concen: 45.591 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 84 Resp: 577999
Ion Ratio Lower Upper
84 100
49 117.4 95.3 142.9
51 35.8 29.0 43.6
86 64.8 51.7 77.5





#21

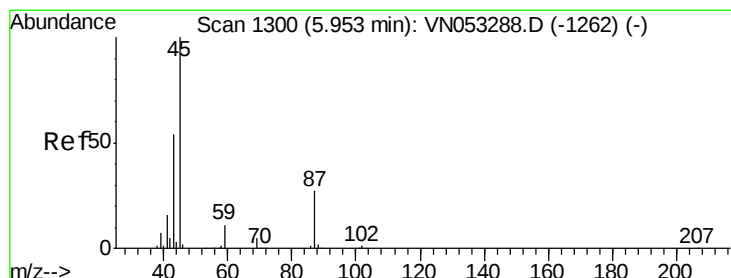
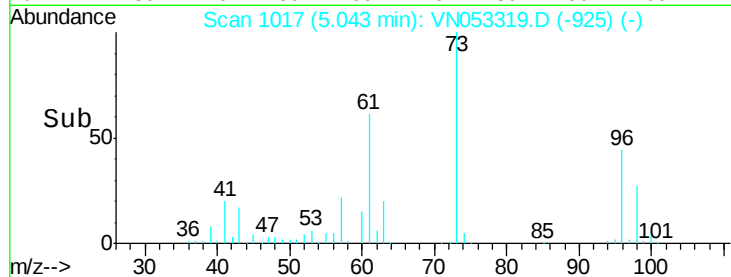
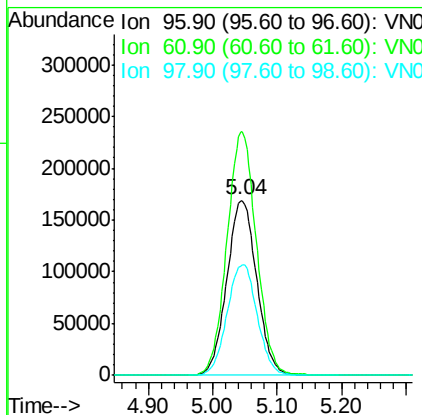
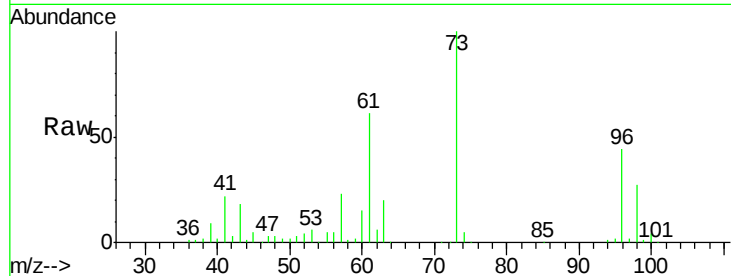
trans-1,2-Dichloroethene
Concen: 48.008 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	110.2	165.4
98	62.8	50.7	76.1

Manual Integrations
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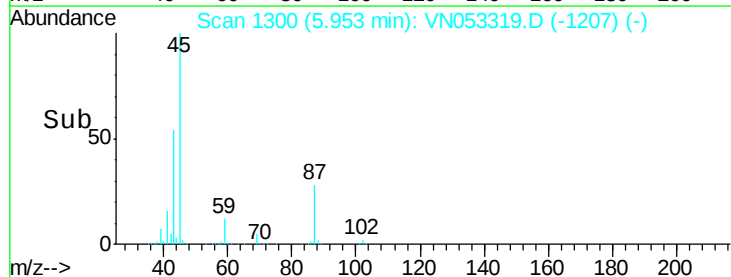
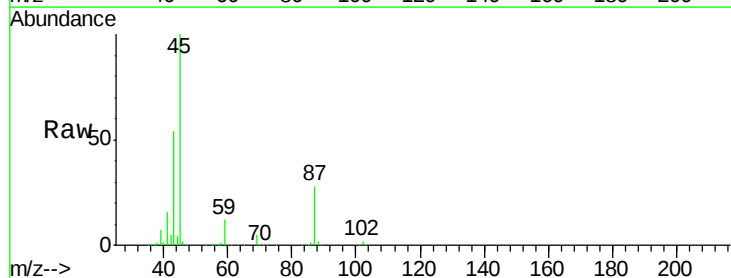
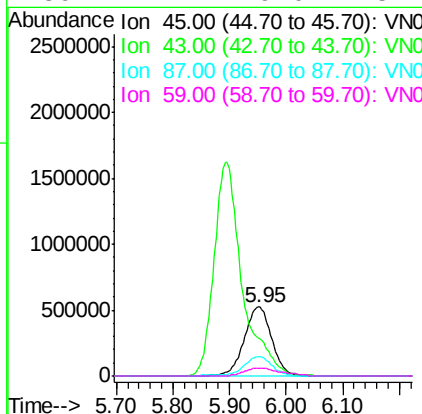
MMDadoda
1/10/2019 9:25:13 AM

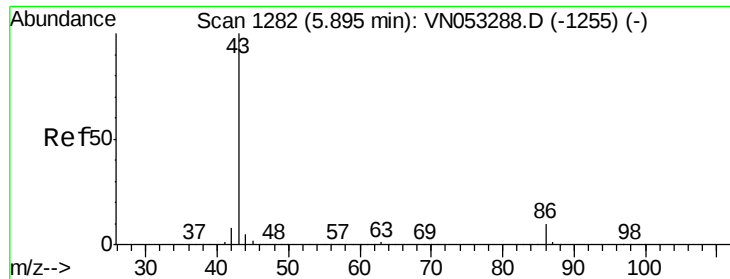


#22

Diisopropyl ether
Concen: 48.122 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.6	43.0	64.6
87	28.0	22.1	33.1
59	12.1	9.0	13.4





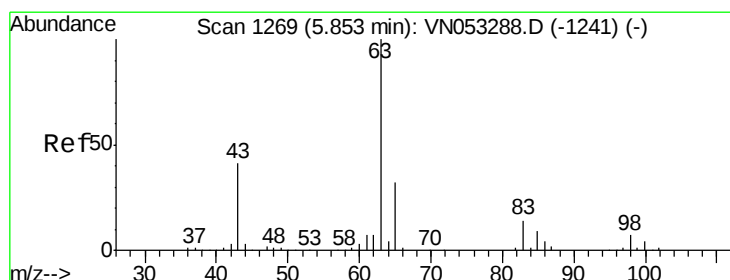
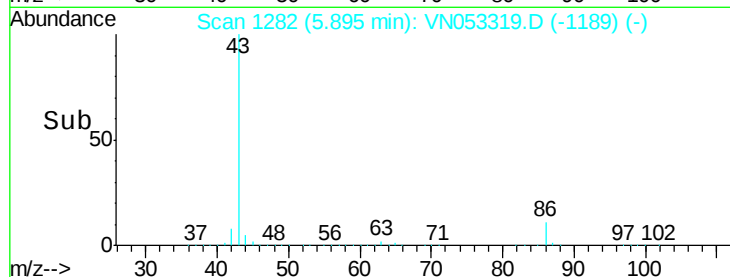
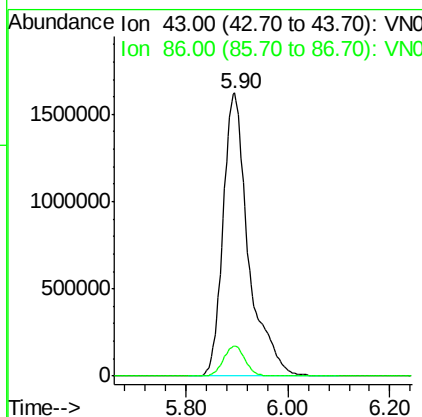
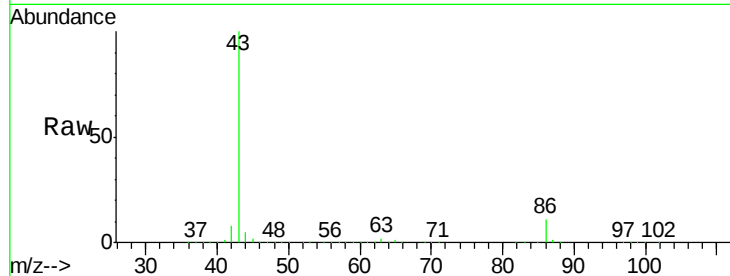
#23
 Vinyl Acetate
 Concen: 242.499 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 5608749
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.4 12.6

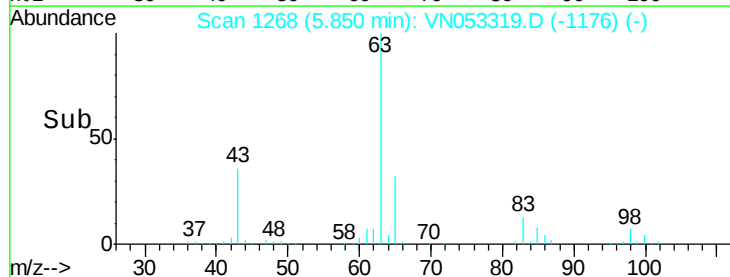
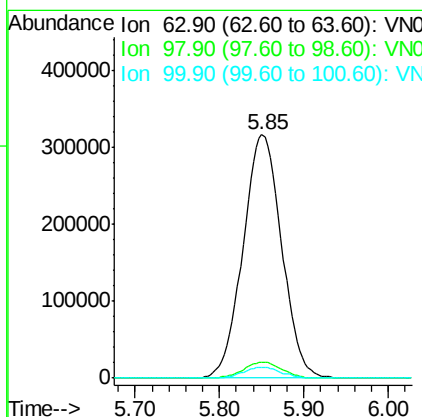
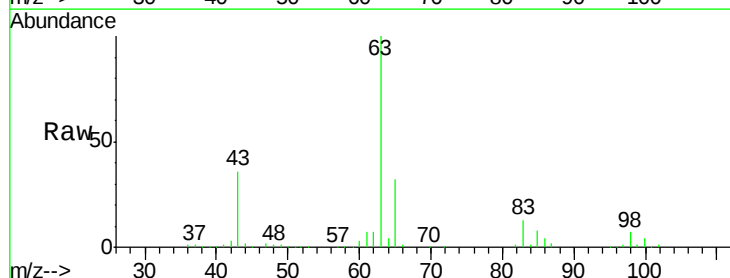
Manual Integrations
 APPROVED

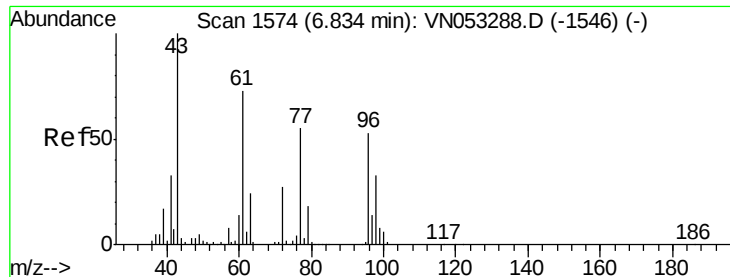
MMDadoda
 1/10/2019 9:25:13 AM



#24
 1,1-Dichloroethane
 Concen: 47.503 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion: 63 Resp: 1007094
 Ion Ratio Lower Upper
 63 100
 98 6.5 3.3 9.8
 100 4.2 2.1 6.5





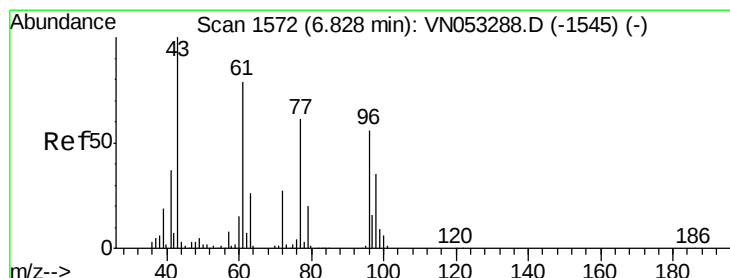
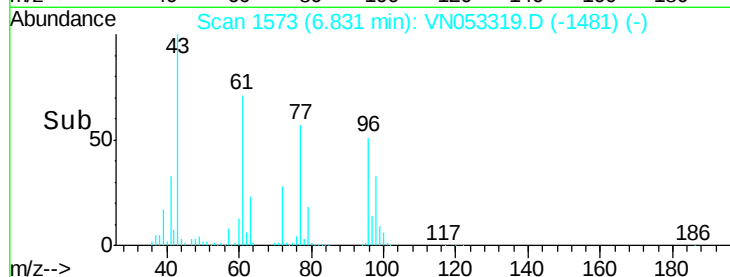
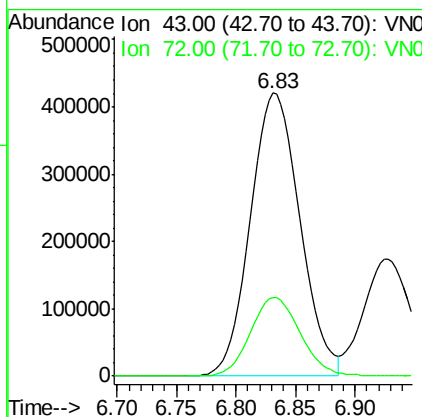
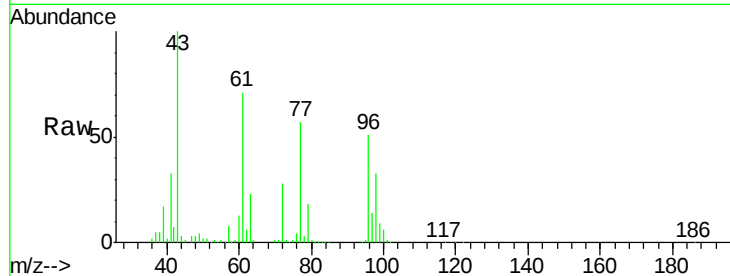
#25
2-Butanone
Concen: 250.389 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1212575
Ion Ratio Lower Upper
43 100
72 28.0 22.0 33.0

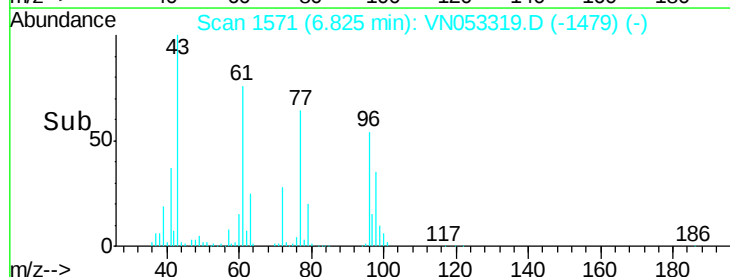
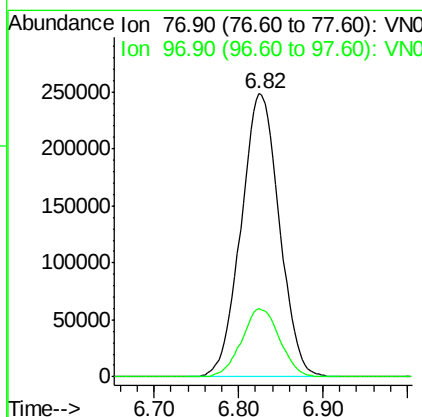
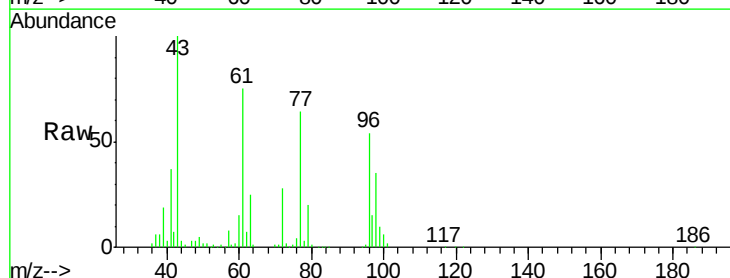
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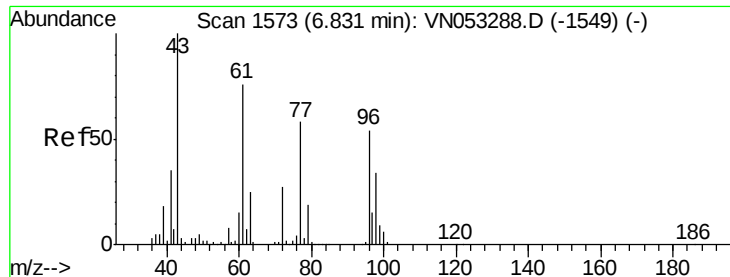
MMDadoda
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#26
2,2-Dichloropropane
Concen: 50.477 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 77 Resp: 782264
Ion Ratio Lower Upper
77 100
97 24.0 12.3 36.9





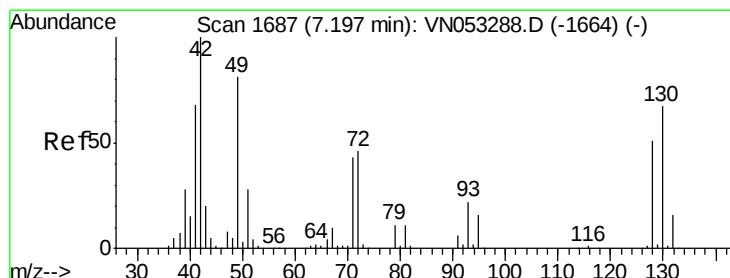
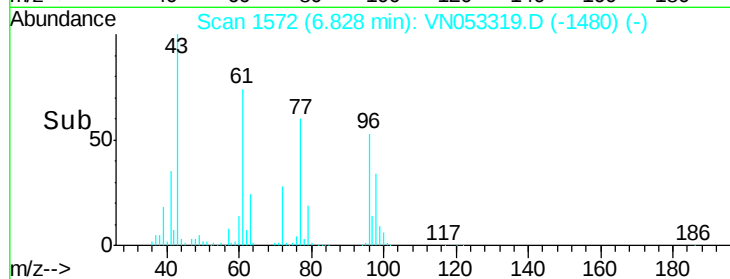
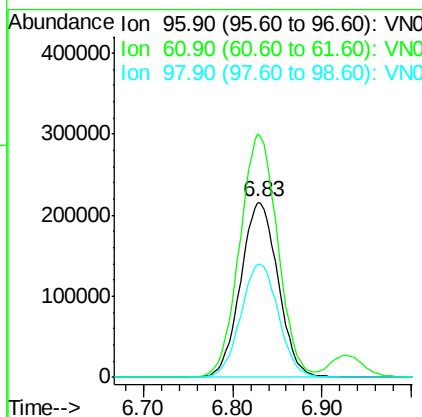
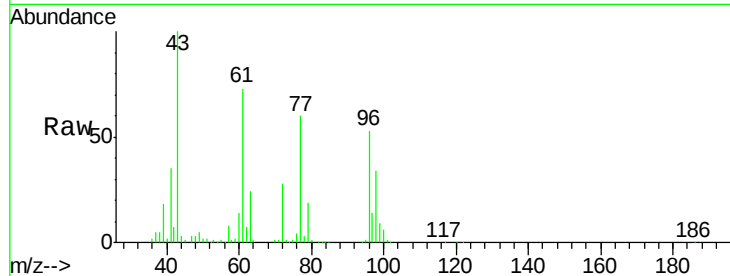
#27
 cis-1,2-Dichloroethene
 Concen: 48.454 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	141.0	0.0	280.6	
98	65.2	0.0	127.6	

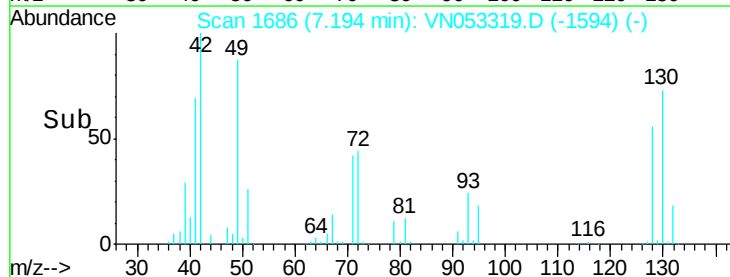
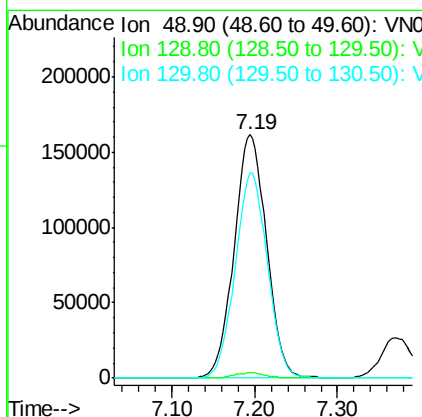
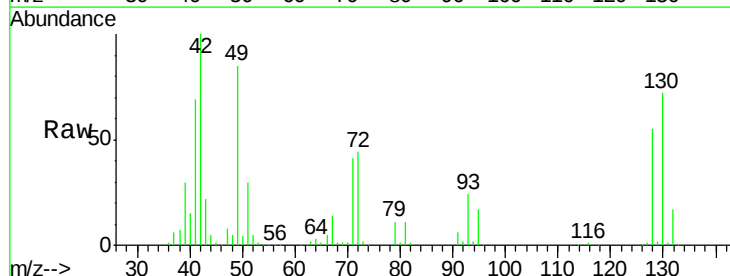
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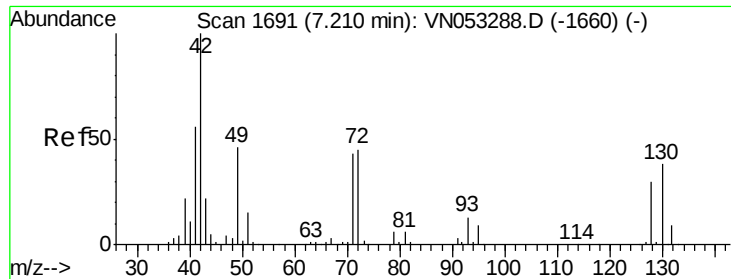
MMDadoda
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#28
 Bromochloromethane
 Concen: 48.702 ug/l
 RT: 7.19 min Scan# 1686
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.8	
130	83.7	65.4	98.0	





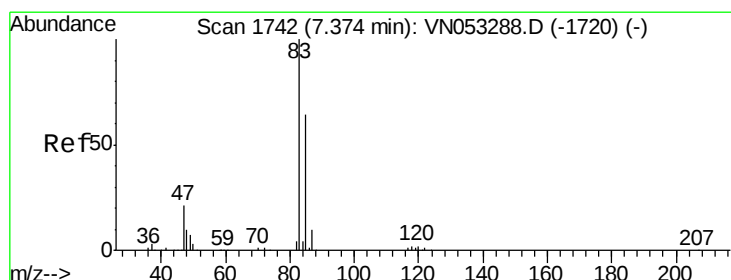
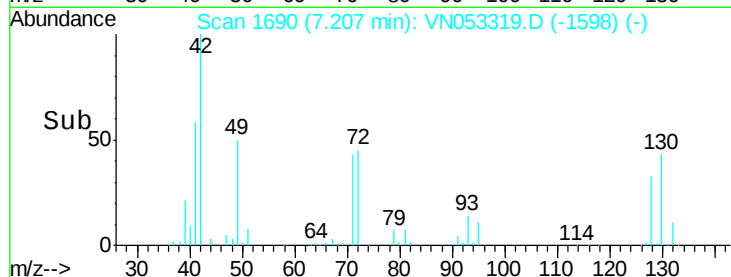
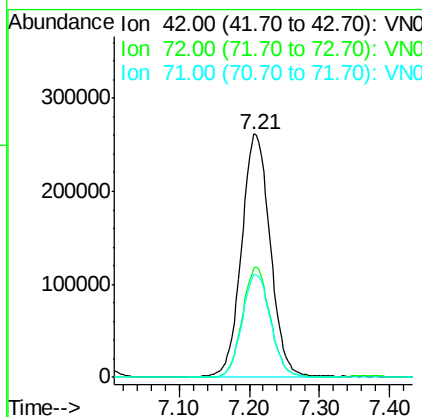
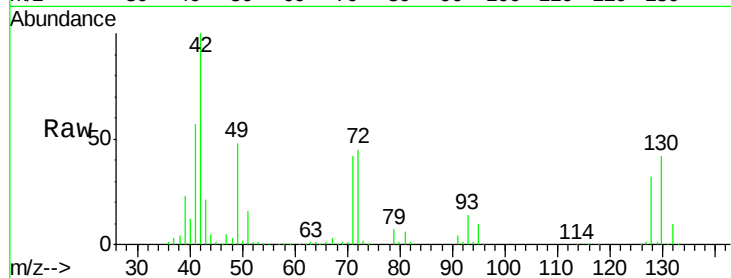
#29
Tetrahydrofuran
Concen: 232.313 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.6	53.4
71	41.9	33.8	50.8

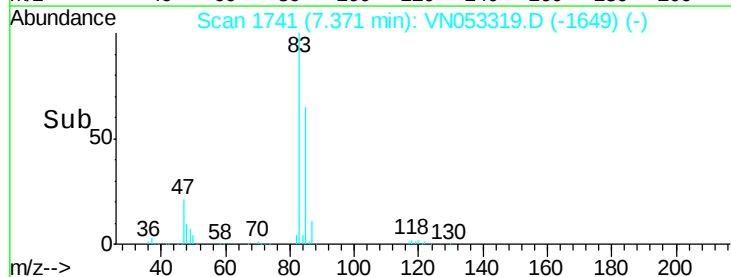
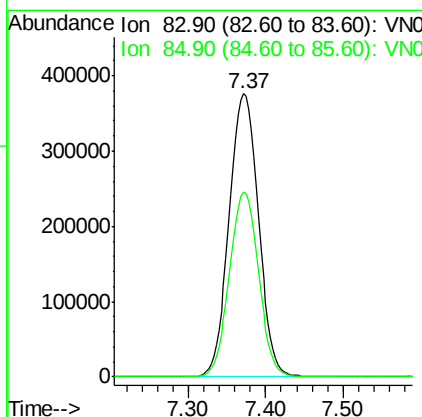
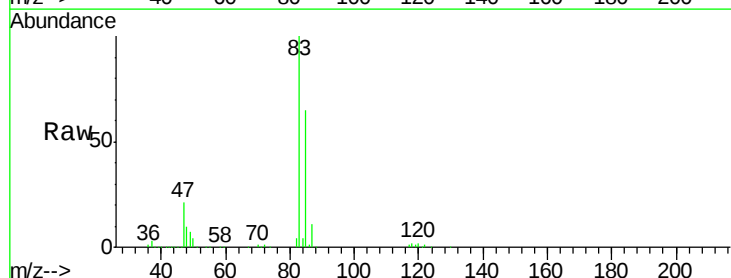
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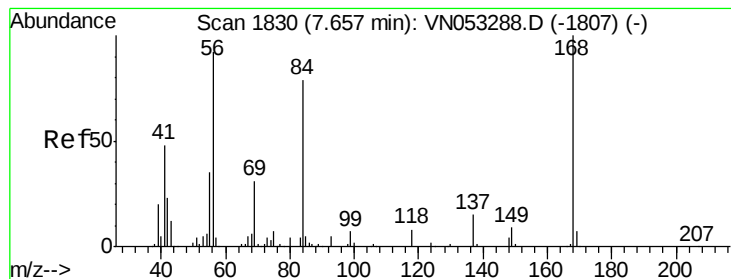
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#30
Chloroform
Concen: 47.445 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.3	76.9





#31

Cyclohexane

Concen: 46.932 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 945745

Ion Ratio Lower Upper

56 100

69 34.0 26.7 40.1

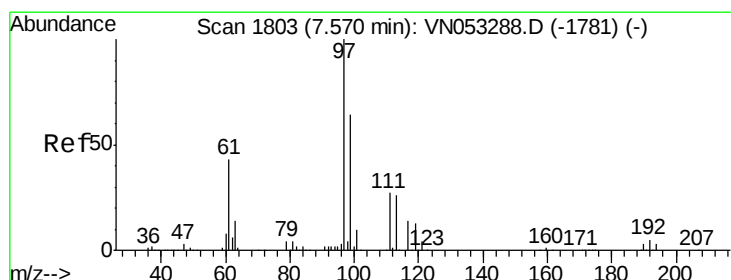
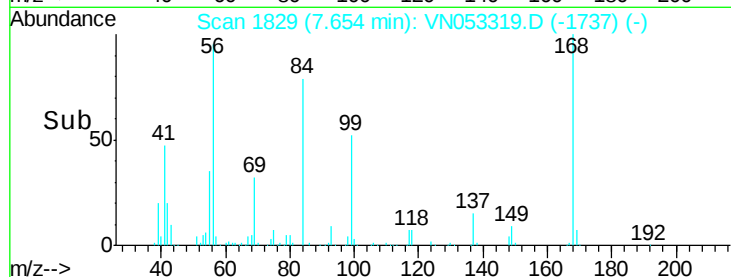
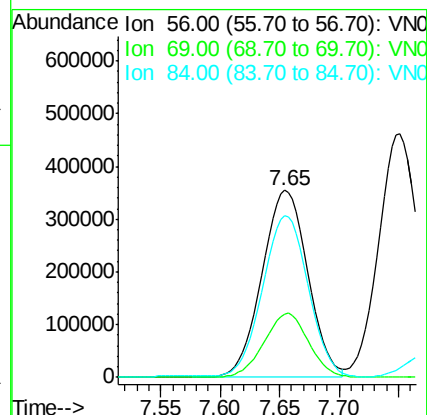
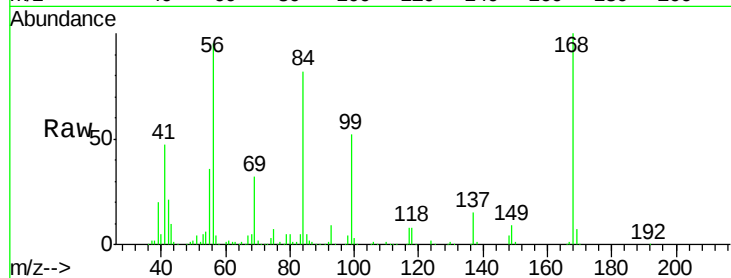
84 85.3 68.2 102.4

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#32

1,1,1-Trichloroethane

Concen: 47.656 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

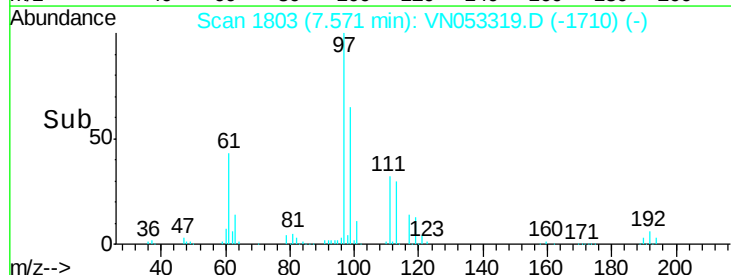
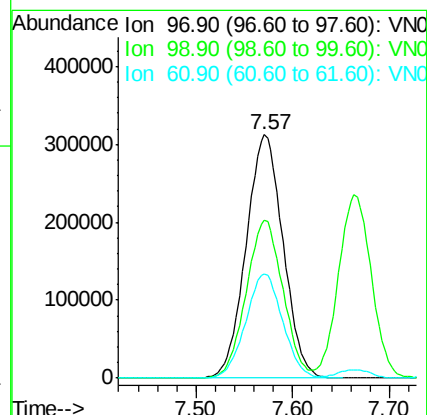
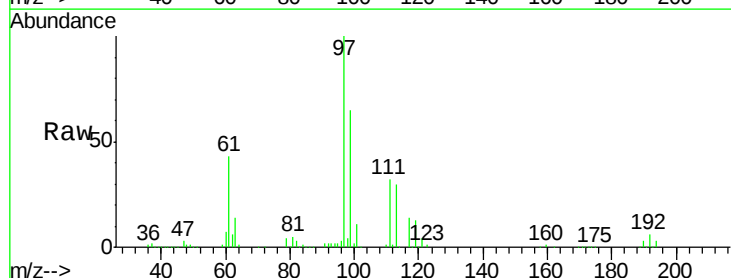
Tgt Ion: 97 Resp: 828666

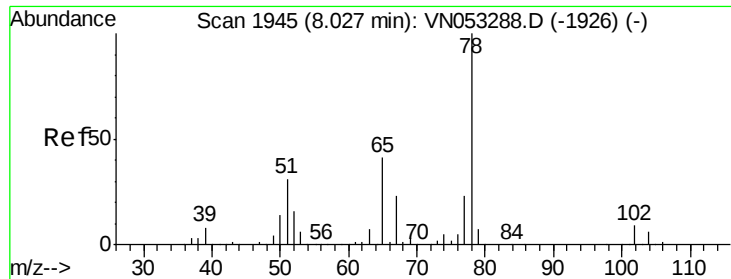
Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.9 34.6 52.0





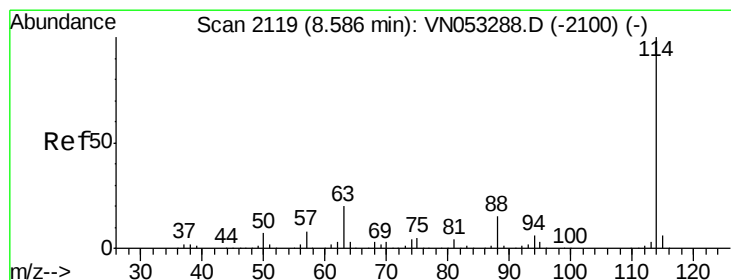
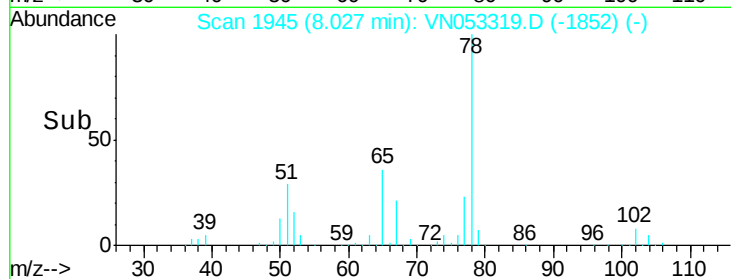
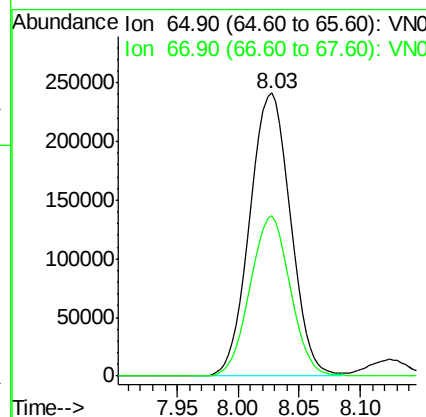
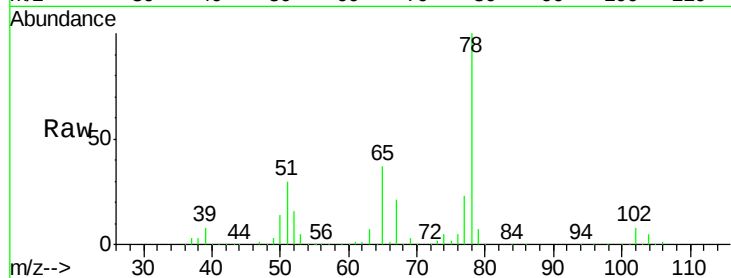
#33
 1,2-Dichloroethane-d4
 Concen: 47.656 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.8	0.0	111.0	

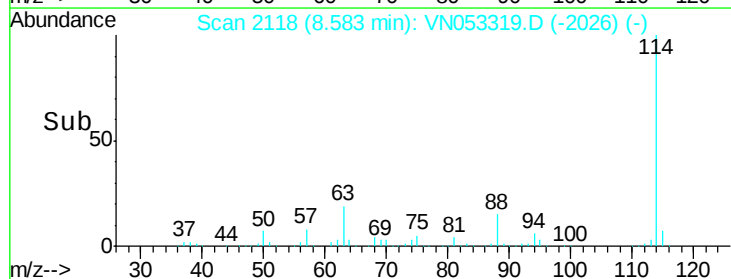
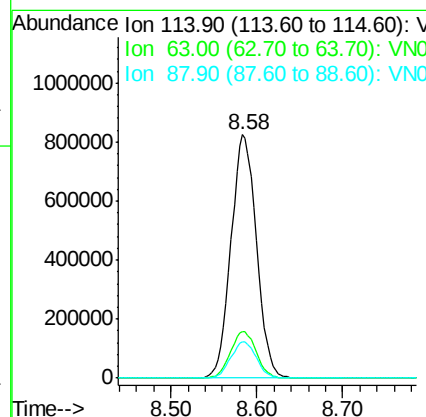
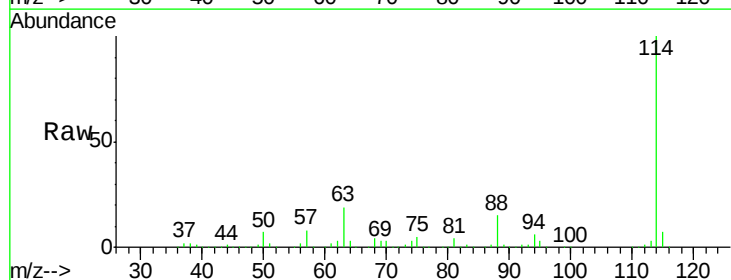
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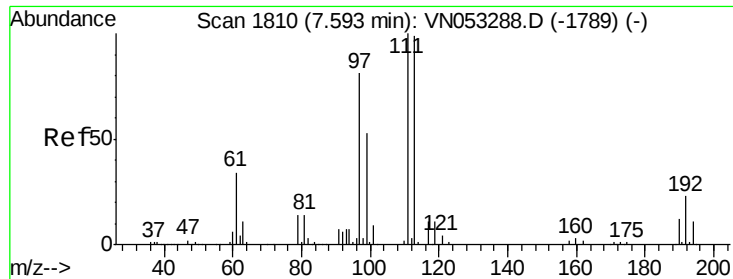
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	39.0	
88	15.0	0.0	30.8	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

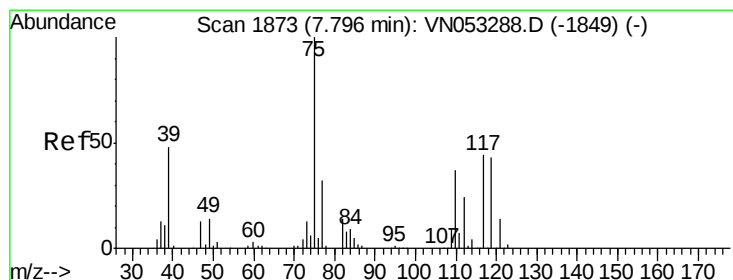
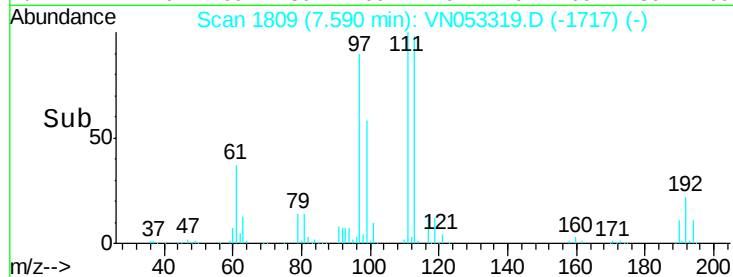
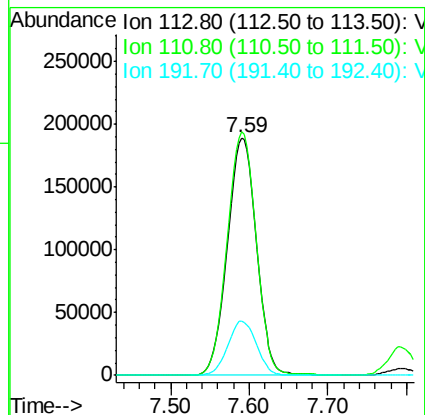
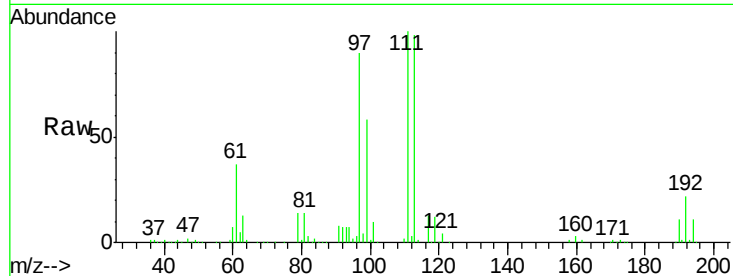
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	483405
Ion Ratio	Lower	Upper	
113	100		
111	101.7	81.4	122.2
192	22.6	17.9	26.9

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#36

1,1-Dichloropropene

Concen: 49.886 ug/l

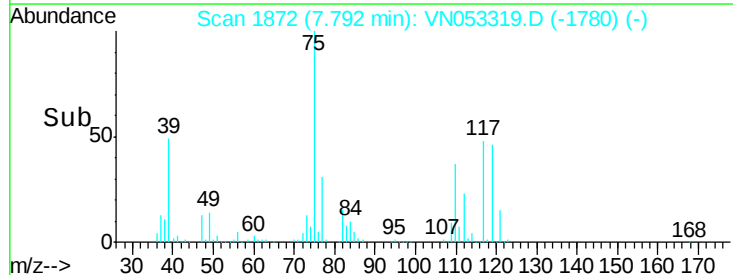
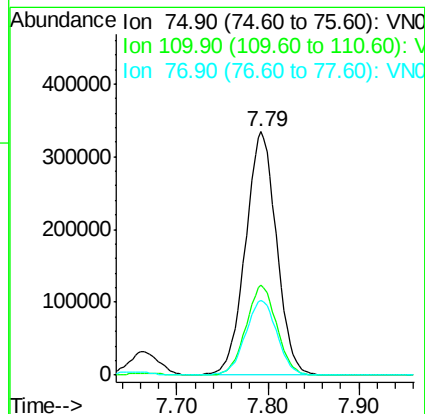
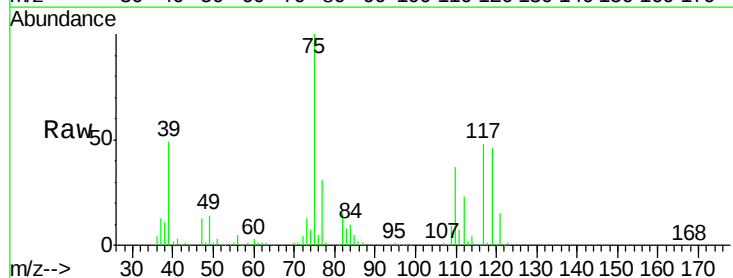
RT: 7.79 min Scan# 1872

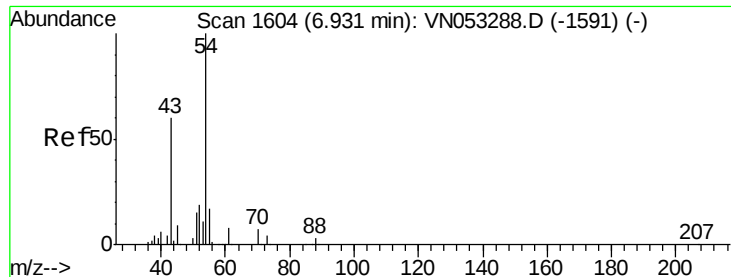
Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion:	75	Resp:	788144
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.4	55.0
77	31.3	25.3	37.9





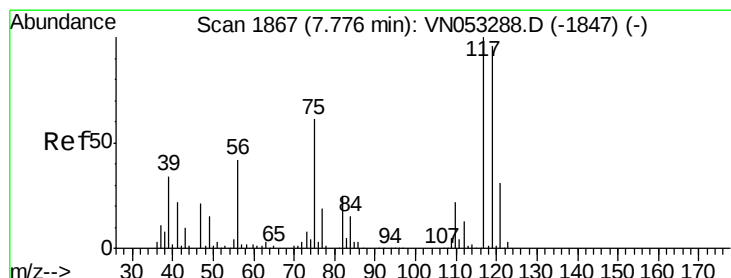
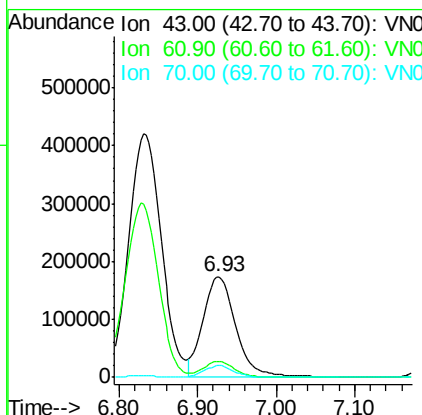
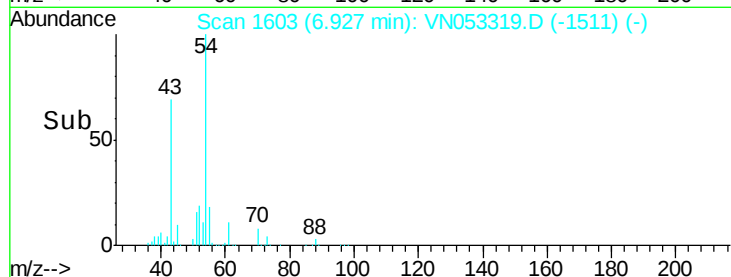
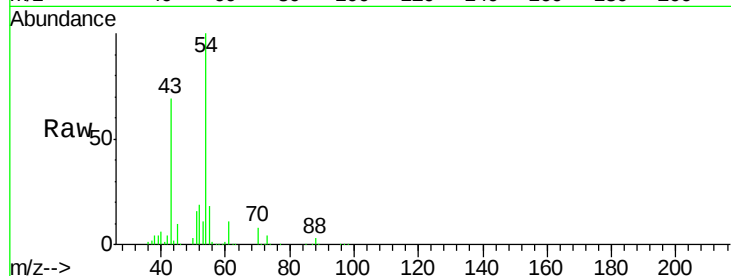
#37
Ethyl Acetate
Concen: 48.189 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.9	17.9
70	10.9	8.6	13.0

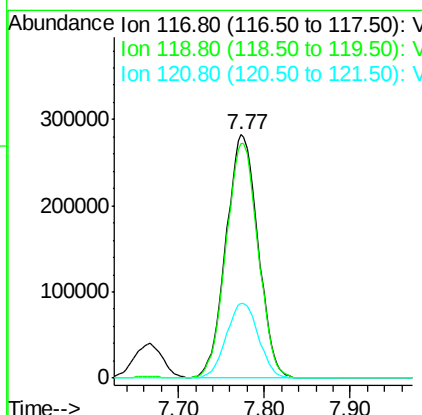
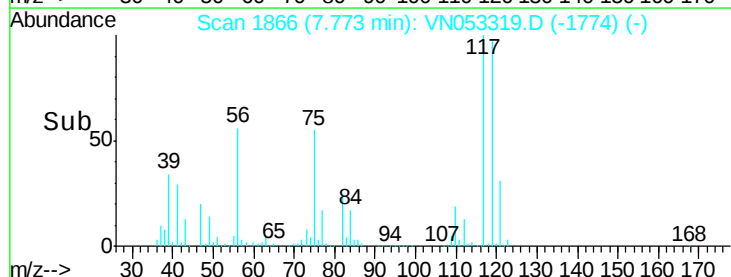
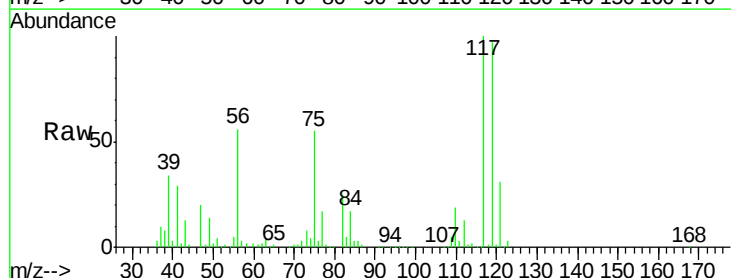
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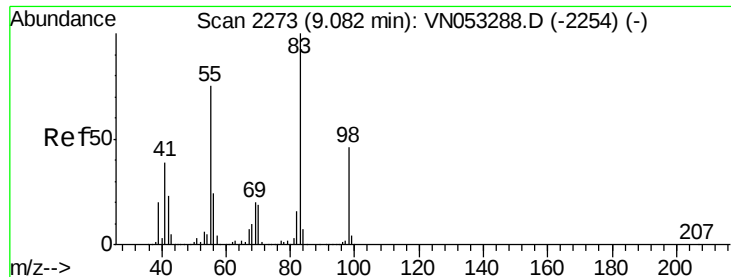
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#38
Carbon Tetrachloride
Concen: 49.943 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	31.0	25.0	37.4





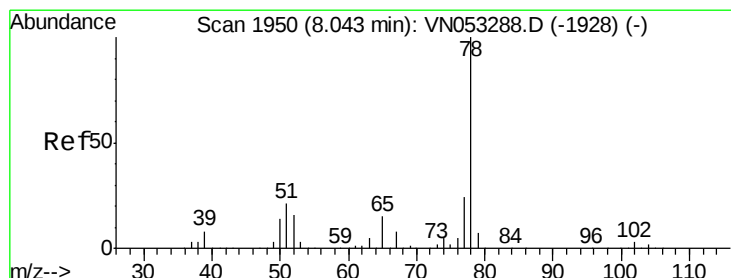
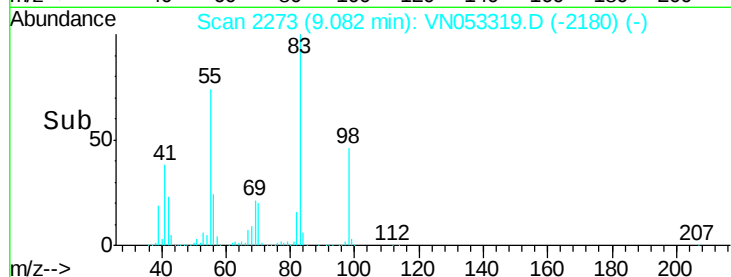
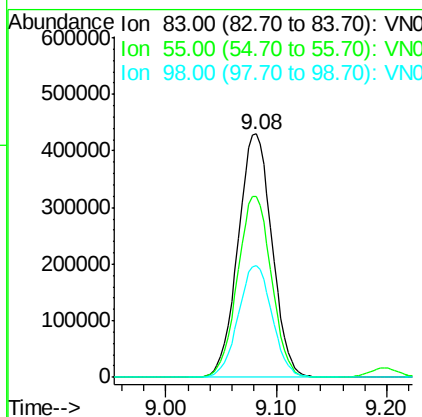
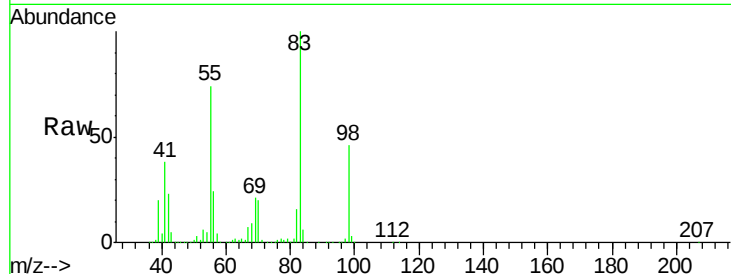
#39
Methvlcvclohexane
Concen: 50.194 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.3	60.1	90.1	
98	45.8	36.7	55.1	

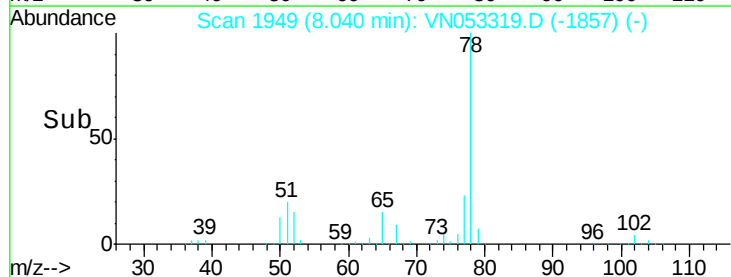
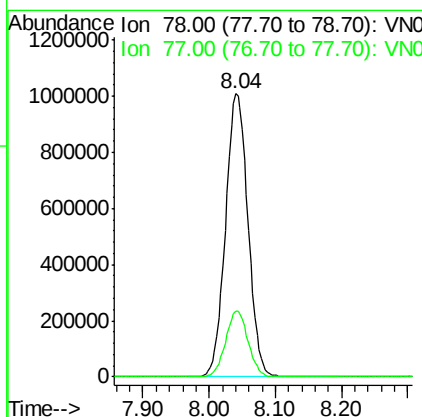
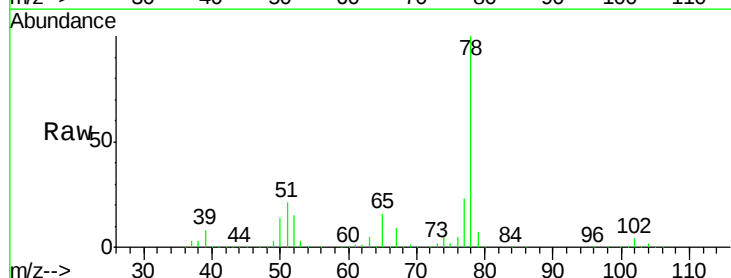
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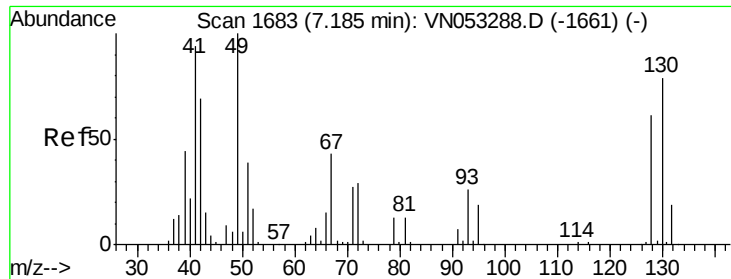
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#40
Benzene
Concen: 49.101 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	19.0	28.4	





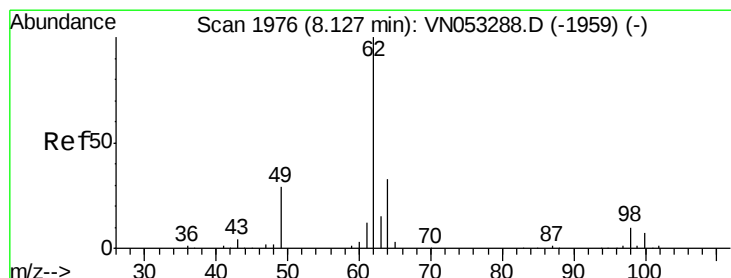
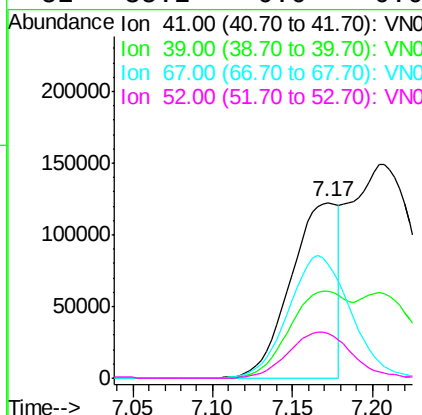
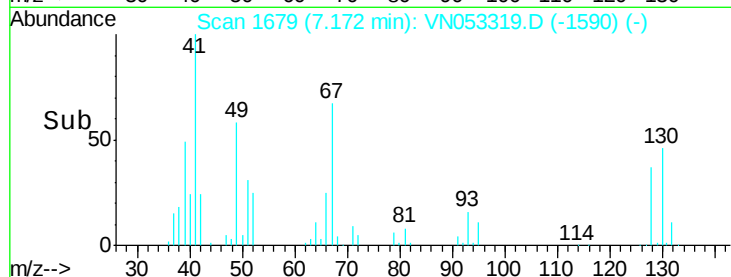
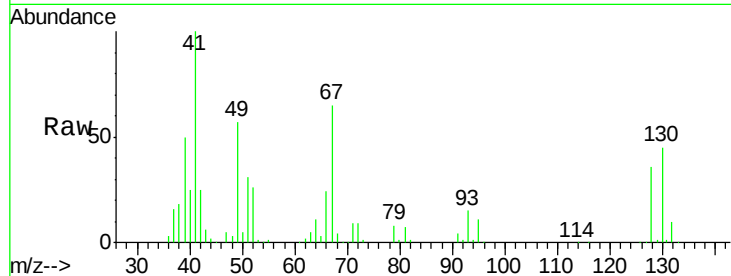
#41
Methacrylonitrile
Concen: 39.675 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	63.2	0.0	0.0#		
67	92.0	0.0	0.0#		
52	35.2	0.0	0.0#		

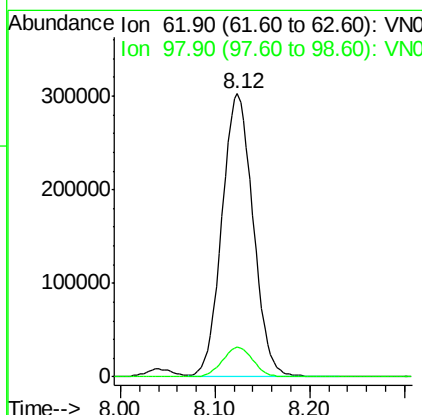
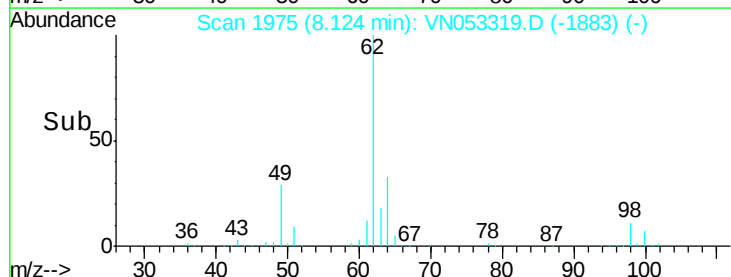
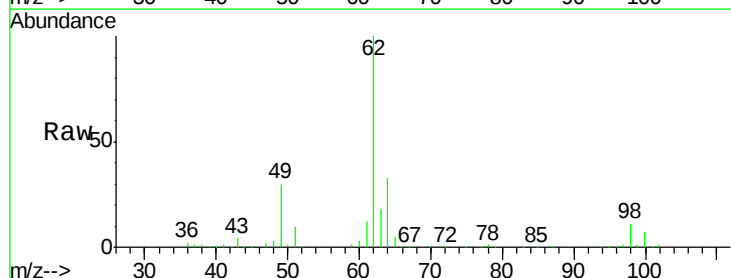
Manual Integrations
APPROVED

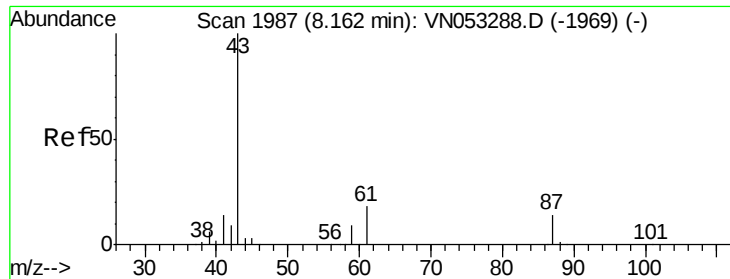
MMDadoda
1/10/2019 9:25:13 AM



#42
1,2-Dichloroethane
Concen: 48.274 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.4	0.0	20.2		





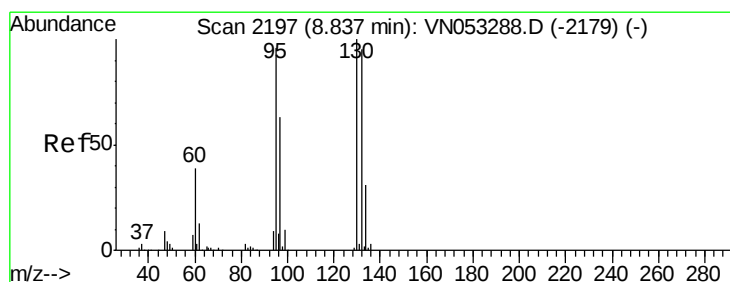
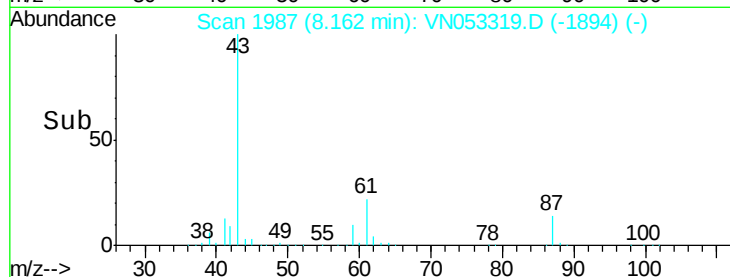
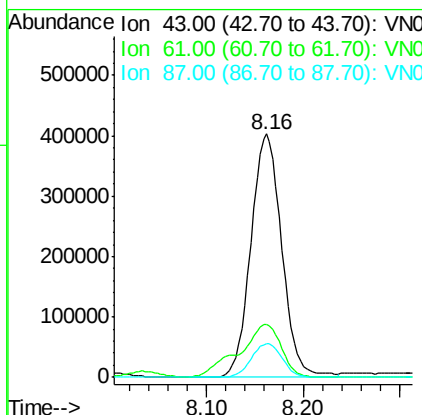
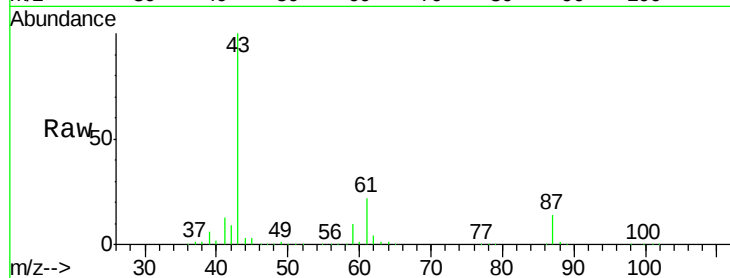
#43
Isopropyl Acetate
Concen: 43.945 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.3	34.9
87	13.9	10.8	16.2

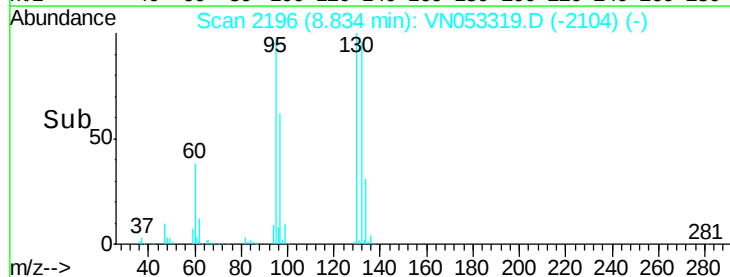
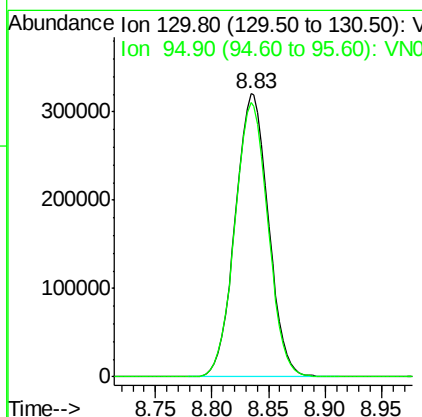
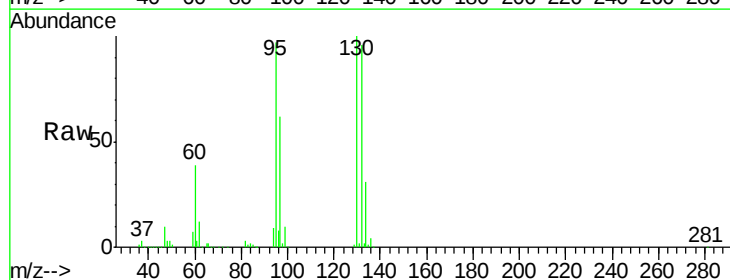
Manual Integrations
APPROVED

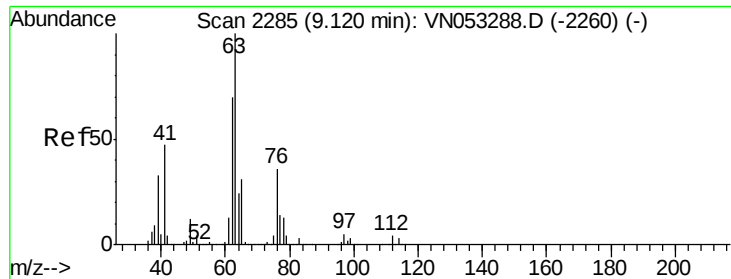
MMDadoda
1/10/2019 9:25:13 AM



#44
Trichloroethene
Concen: 49.564 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	191.8





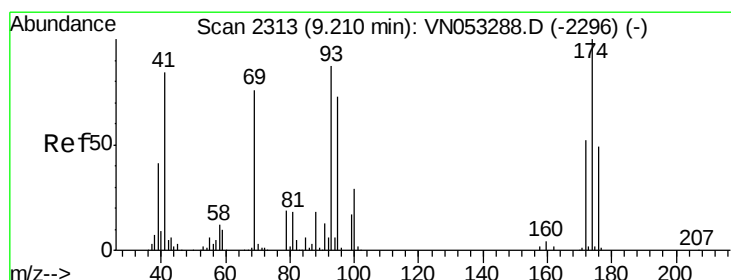
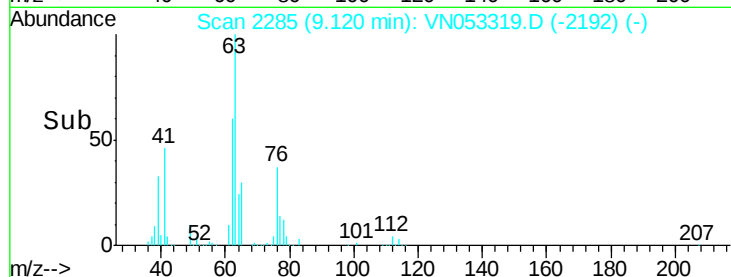
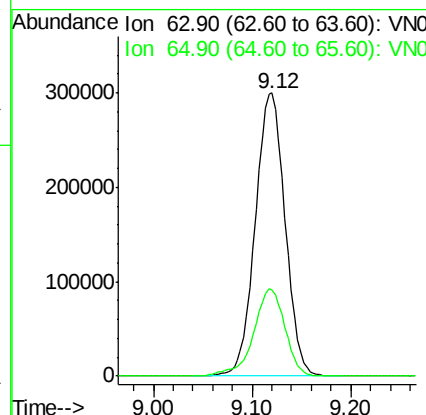
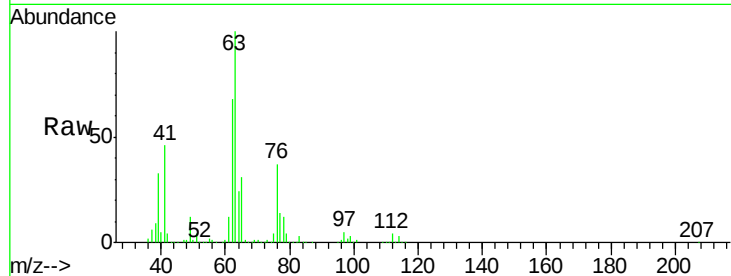
#45
 1,2-Dichloropropane
 Concen: 49.330 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	25.0	37.6

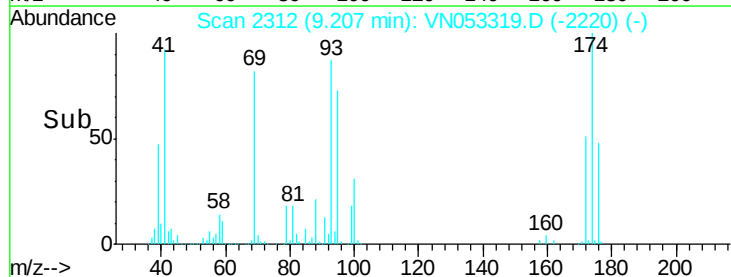
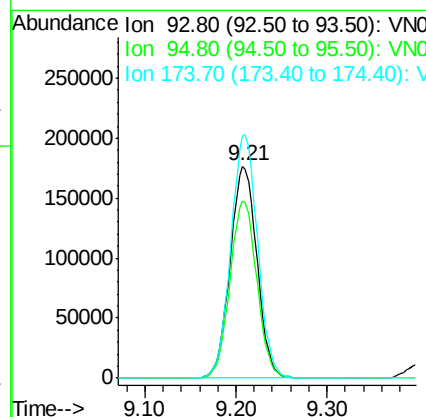
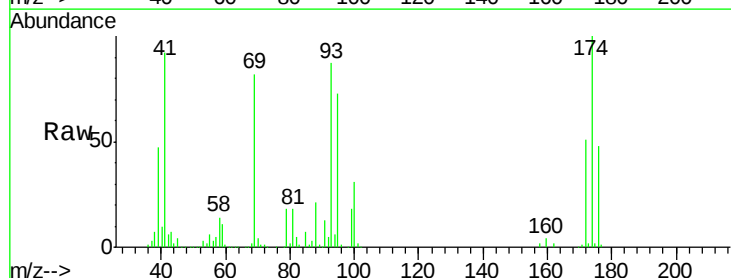
Manual Integrations
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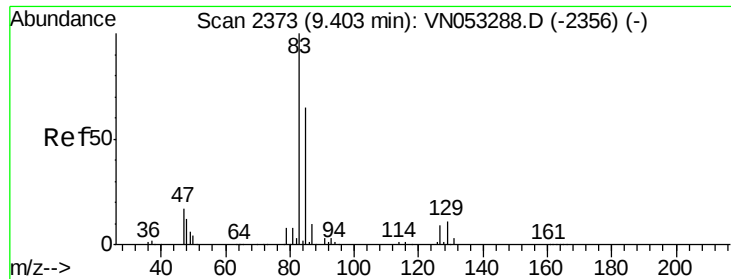
MMDadoda
 1/10/2019 9:25:13 AM



#46
 Dibromomethane
 Concen: 49.024 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	66.6	100.0
174	114.3	91.4	137.0





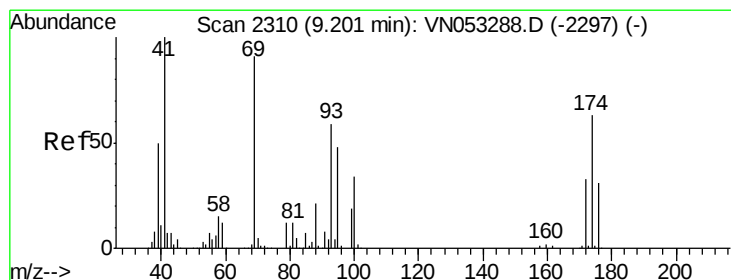
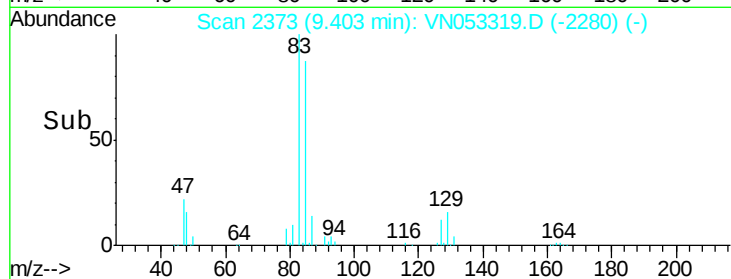
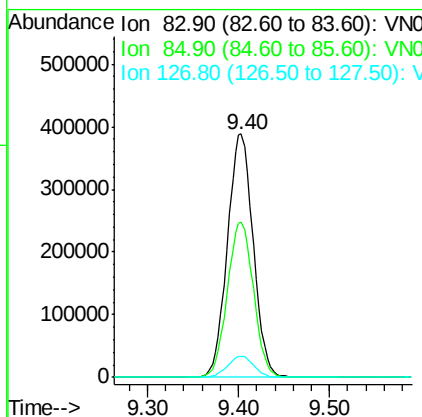
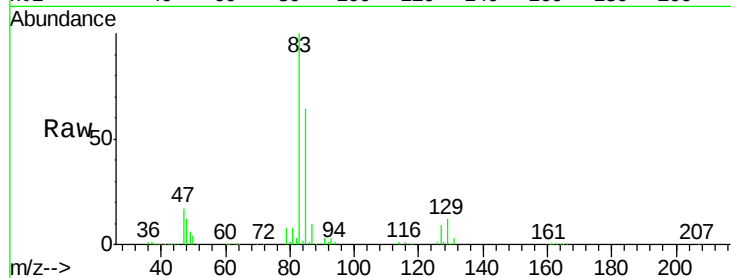
#47
Bromodichloromethane
Concen: 49.755 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	83	Resp	765219
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	51.7	77.5
127	8.7	7.0	10.6

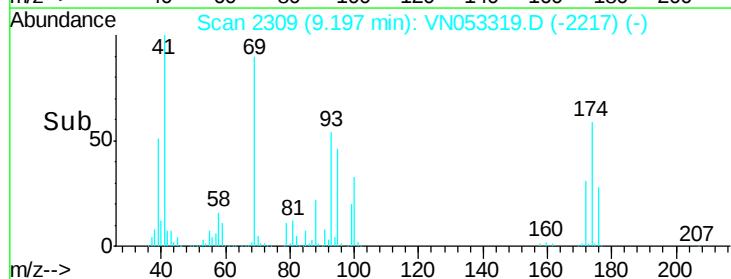
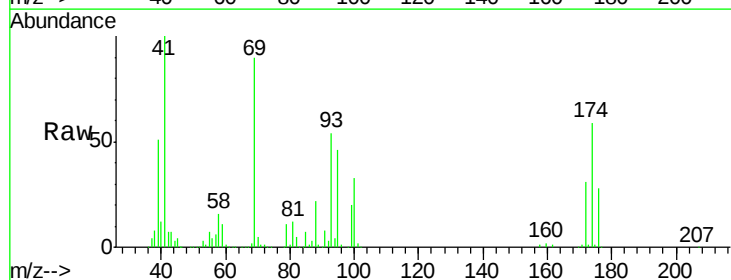
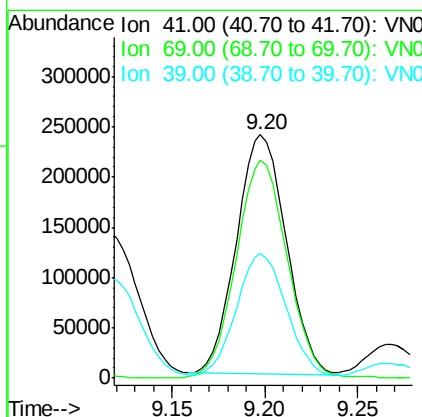
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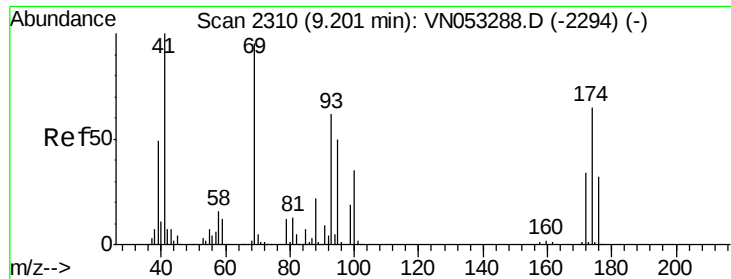
MMDadoda
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#48
Methyl methacrylate
Concen: 48.301 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	41	Resp	444238
Ion Ratio	100	Lower	Upper
41	100		
69	93.8	73.5	110.3
39	52.9	41.6	62.4





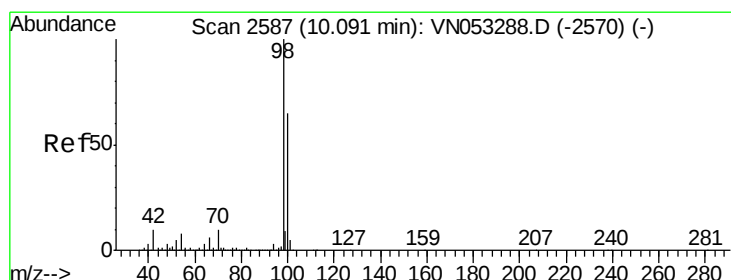
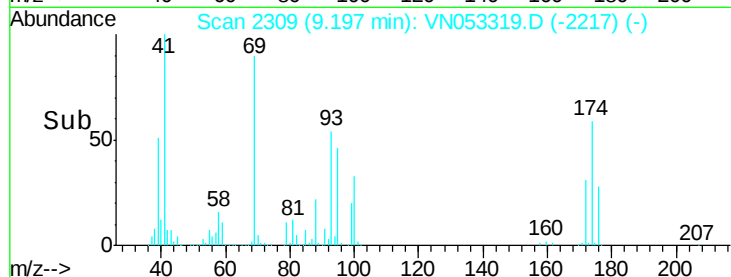
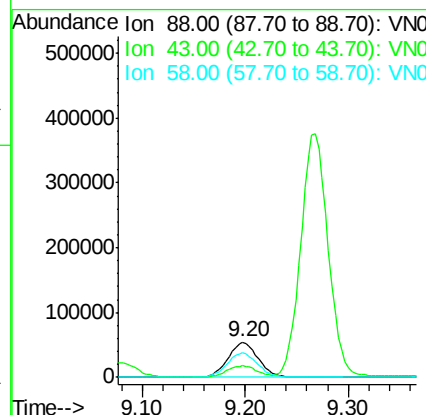
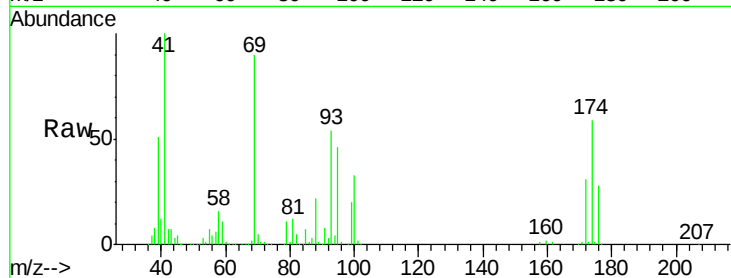
#49
1,4-Dioxane
Concen: 1136.473 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	111364
Ion Ratio	Lower	Upper	
88	100		
43	31.7	26.2	39.4
58	69.4	55.5	83.3

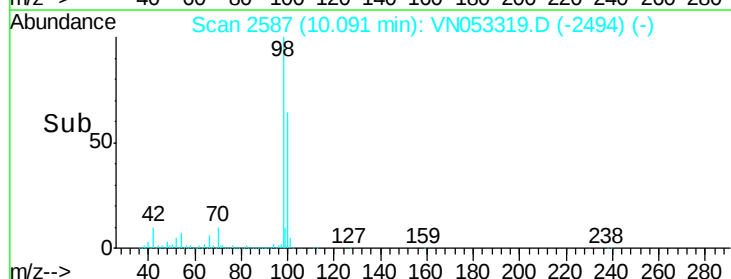
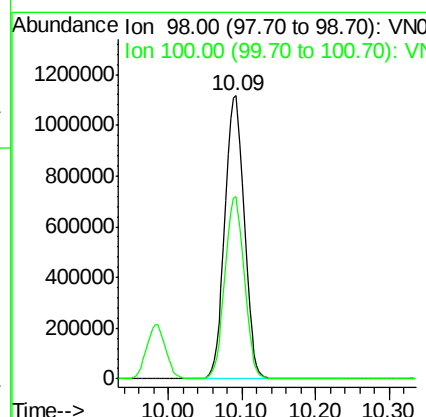
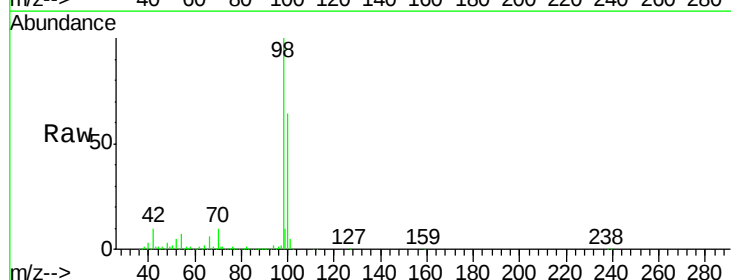
Manual Integrations
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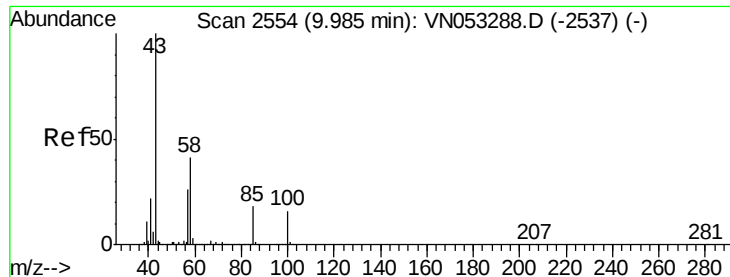
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#50
Toluene-d8
Concen: 1136.473 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	98	Resp	2056365
Ion Ratio	Lower	Upper	
98	100		
100	64.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 244.132 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2485402

Ion Ratio Lower Upper

43 100

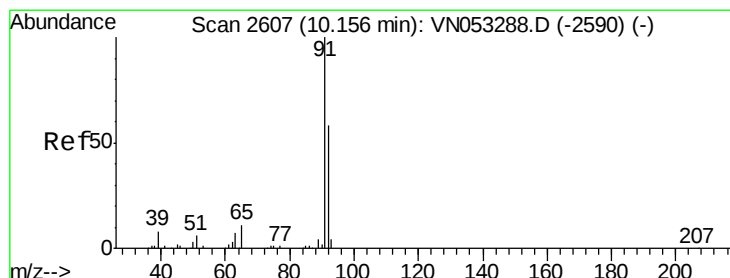
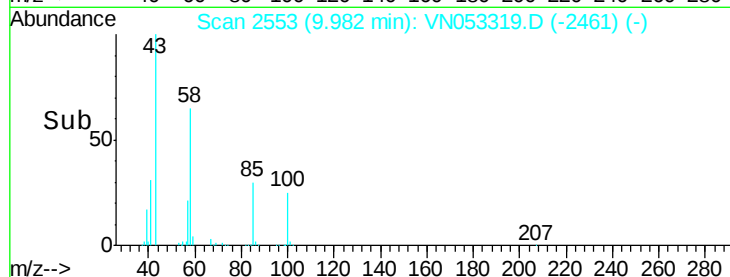
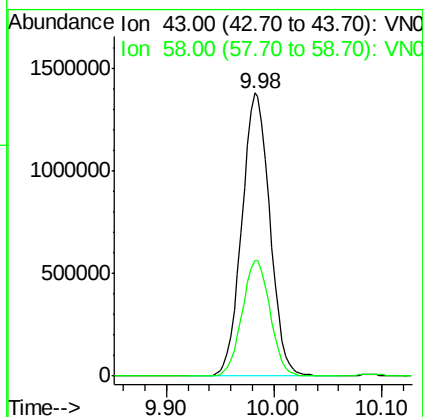
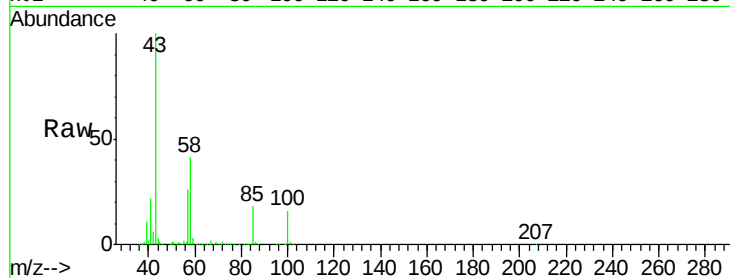
58 41.2 32.7 49.1

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#52

Toluene

Concen: 50.101 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053319.D

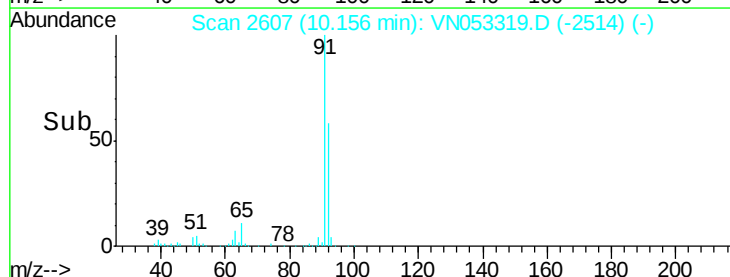
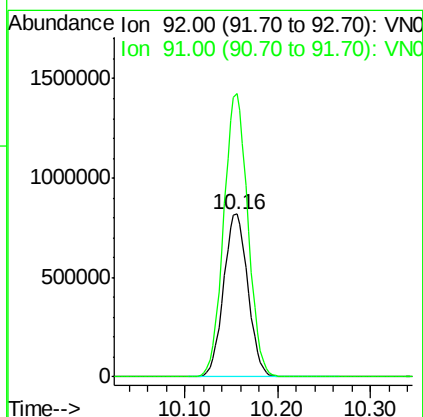
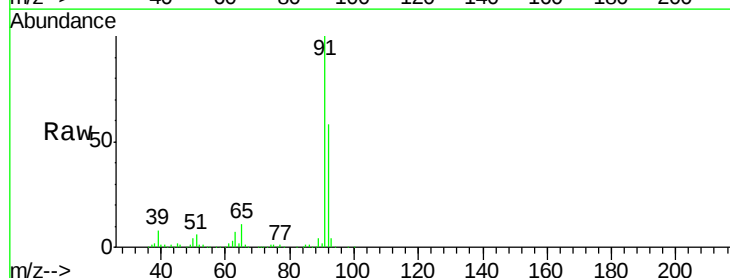
Acq: 9 Jan 2019 9:07

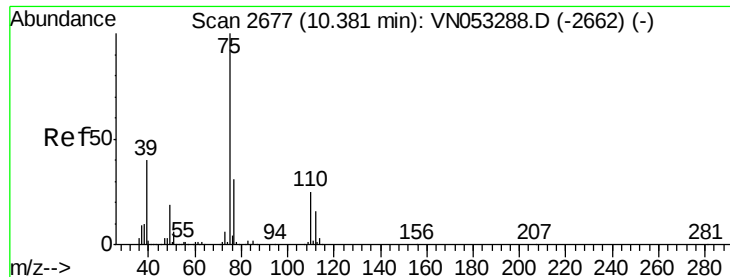
Tgt Ion: 92 Resp: 1483358

Ion Ratio Lower Upper

92 100

91 173.5 138.6 208.0





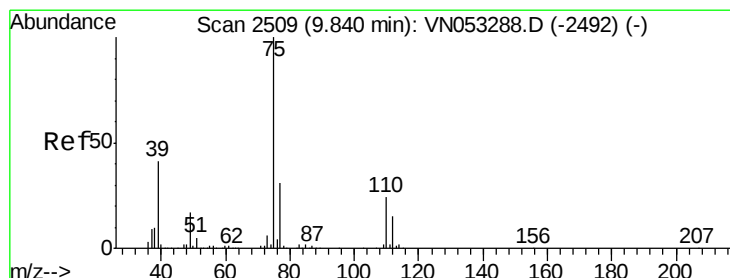
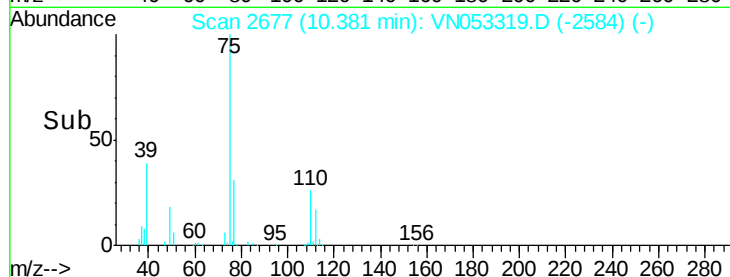
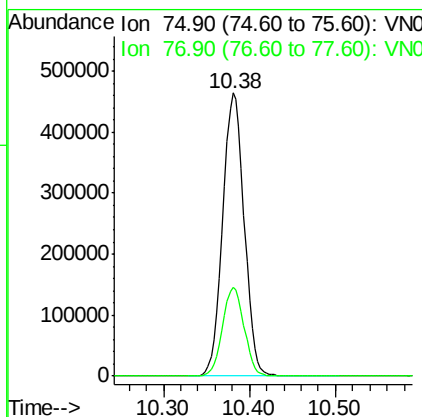
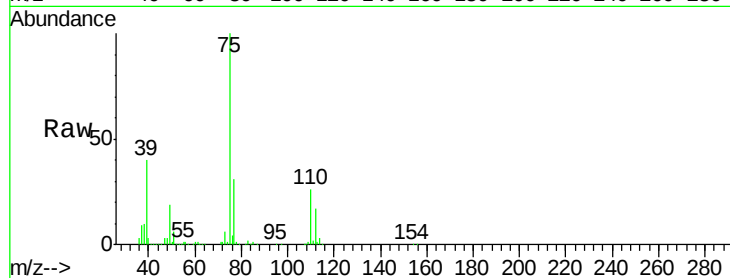
#53
t-1,3-Dichloropropene
Concen: 51.426 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4

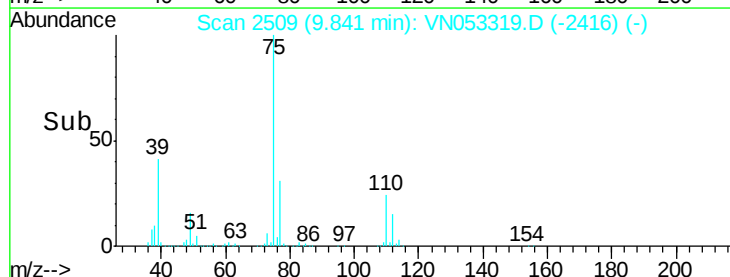
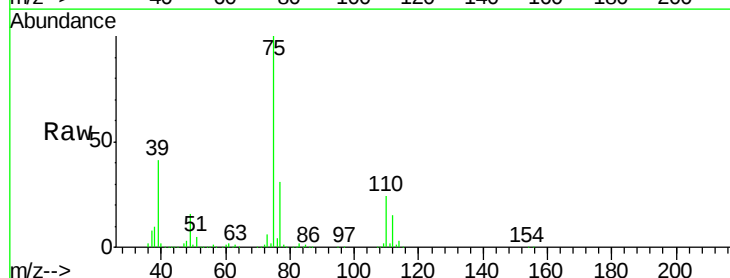
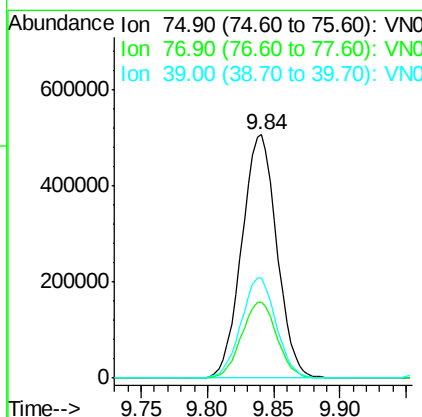
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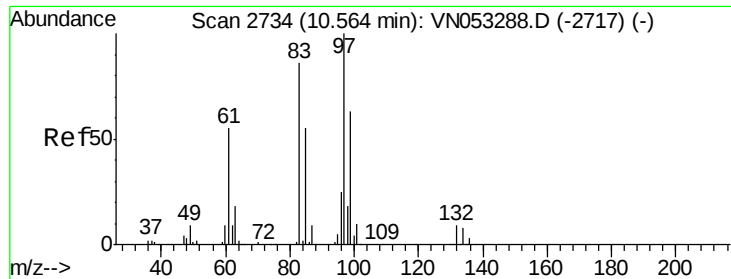
MMDadoda
1/10/2019 9:25:13 AM



#54
cis-1,3-Dichloropropene
Concen: 51.077 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.1	37.7
39	41.0	33.1	49.7





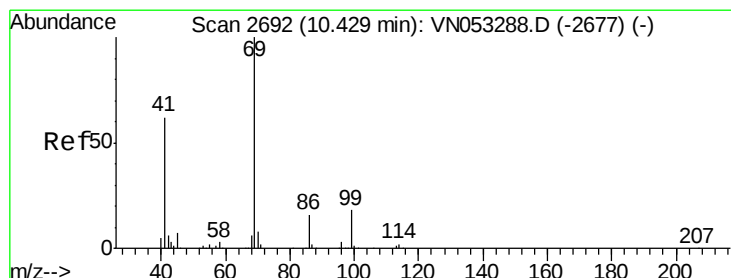
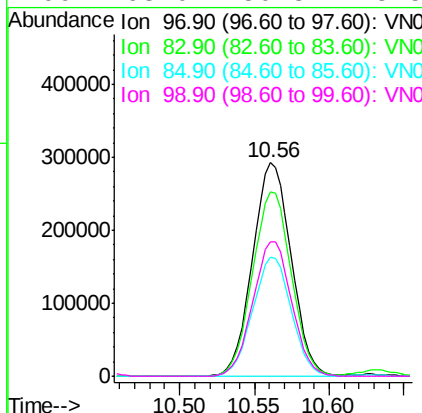
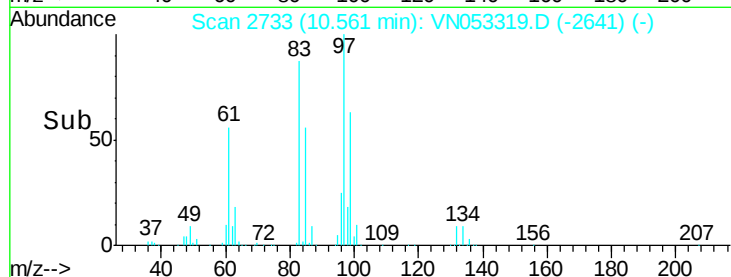
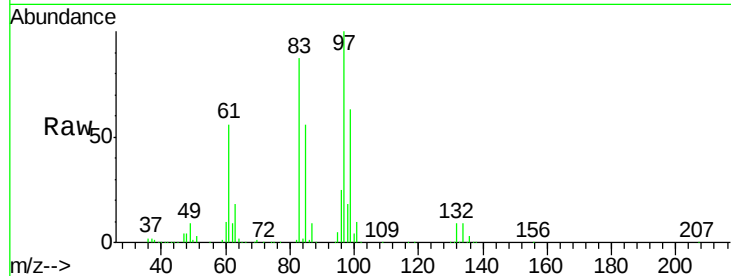
#55
 1,1,2-Trichloroethane
 Concen: 48.288 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	525689
Ion	Ratio	Lower	Upper
97	100		
83	86.5	69.1	103.7
85	55.8	44.2	66.4
99	63.0	50.3	75.5

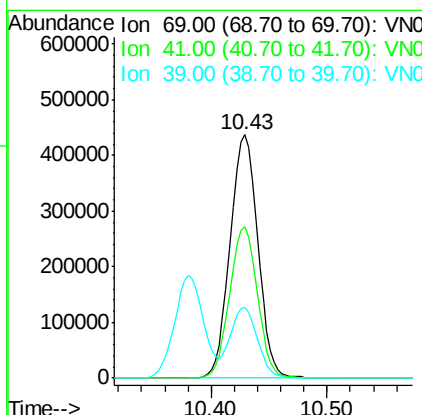
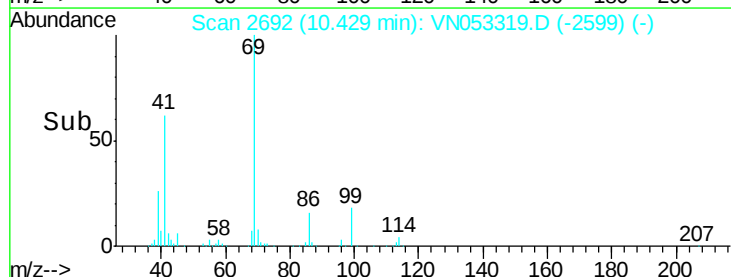
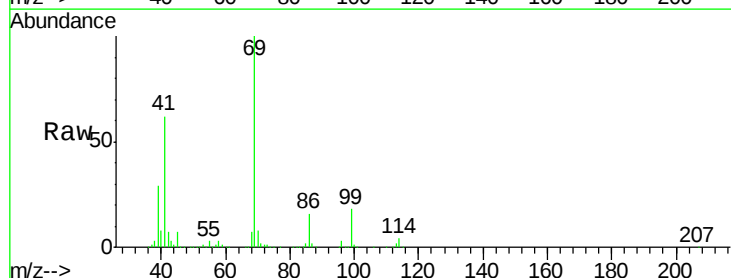
Manual Integrations
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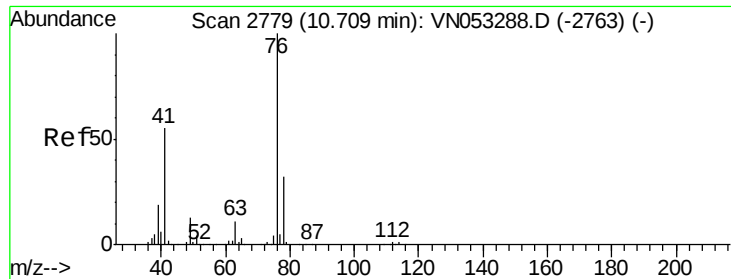
MMDadoda
 1/10/2019 9:25:13 AM



#56
 Ethyl methacrylate
 Concen: 51.045 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion:	69	Resp:	722137
Ion	Ratio	Lower	Upper
69	100		
41	62.4	49.2	73.8
39	28.4	23.4	35.0





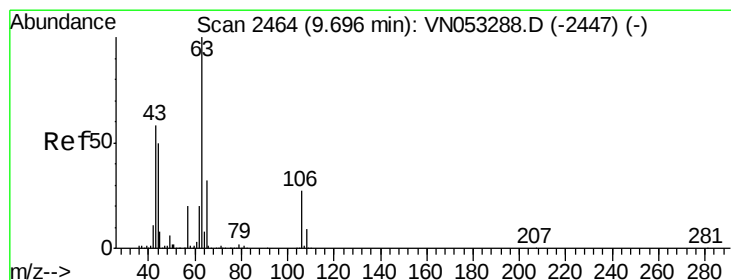
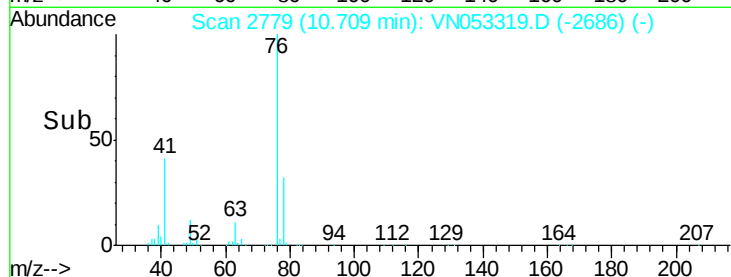
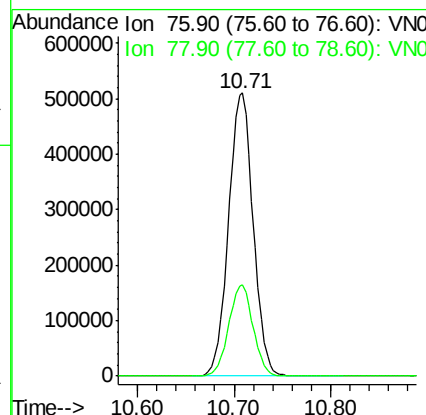
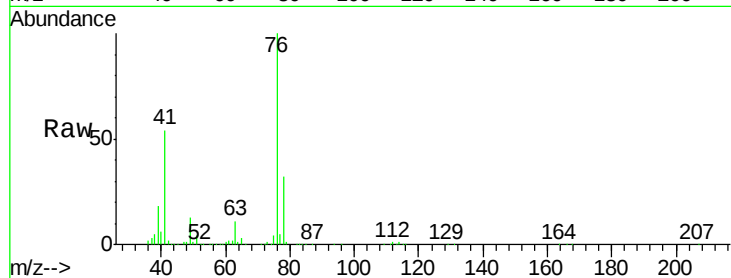
#57
 1,3-Dichloropropane
 Concen: 49.409 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.8	38.8

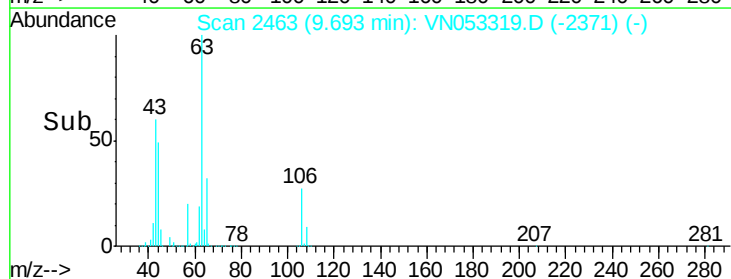
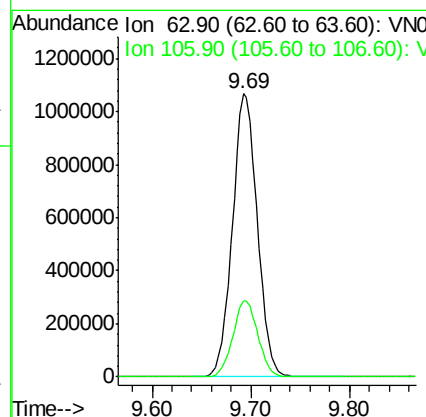
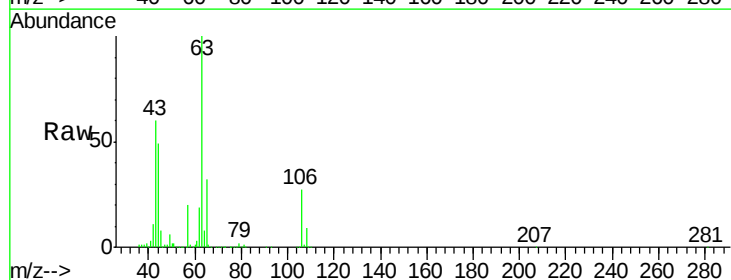
Manual Integrations
 APPROVED

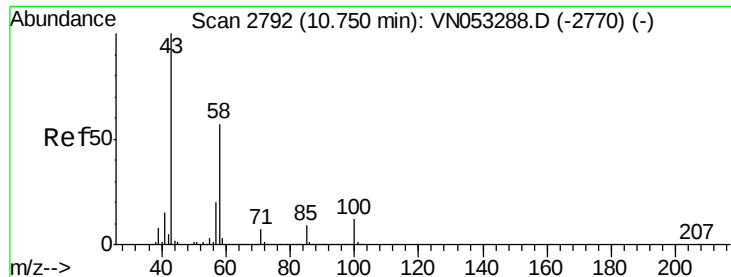
MMDadoda
 1/10/2019 9:25:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 245.725 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.2	21.7	32.5





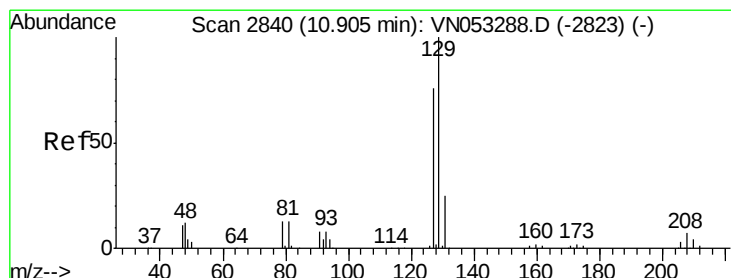
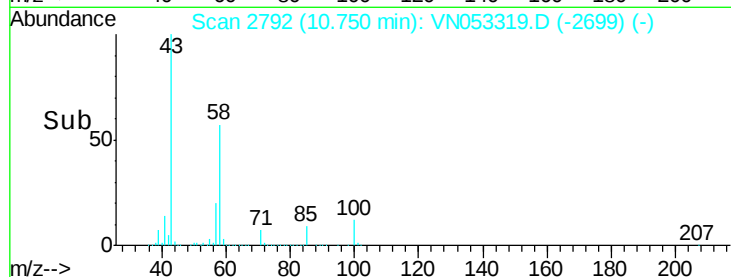
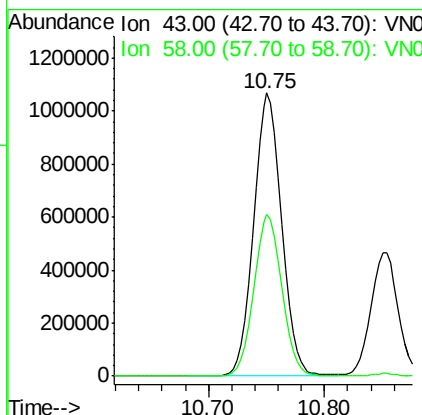
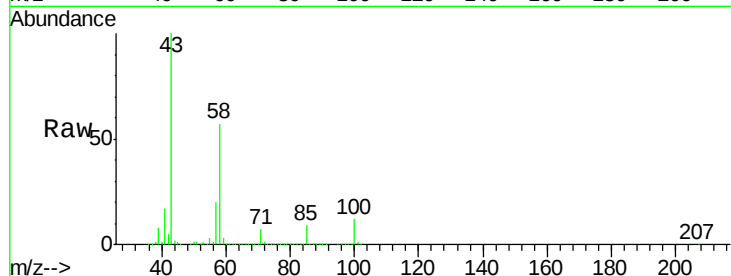
#59
2-Hexanone
Concen: 257.834 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1798478
Ion Ratio Lower Upper
43 100
58 57.3 28.3 85.0

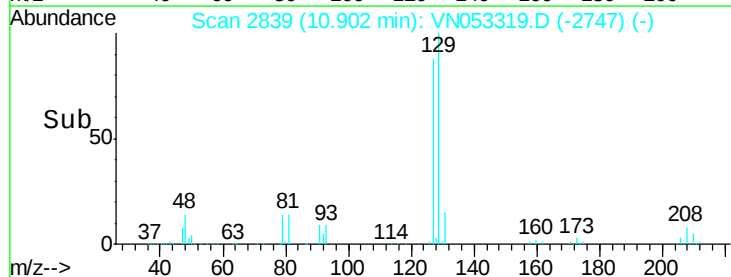
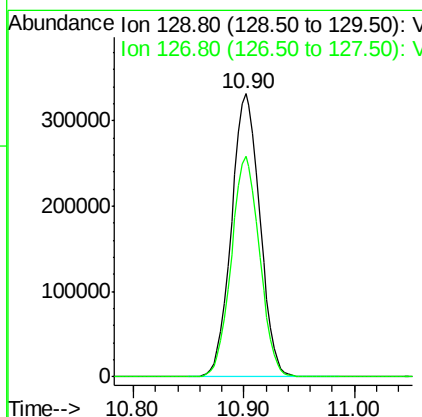
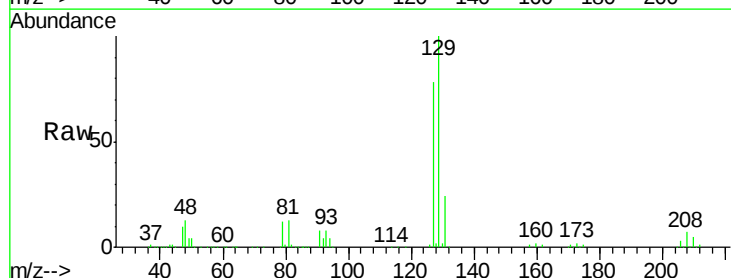
Manual Integrations
APPROVED

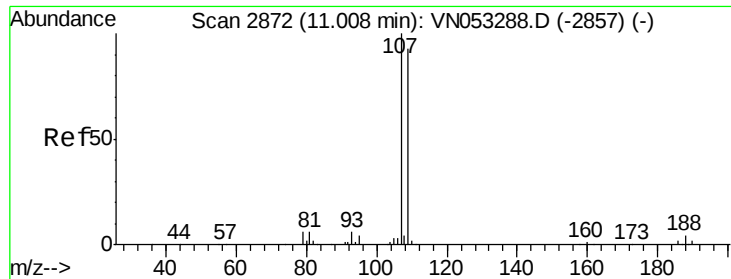
MMDadoda
1/10/2019 9:25:13 AM



#60
Dibromochloromethane
Concen: 50.594 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 129 Resp: 594071
Ion Ratio Lower Upper
129 100
127 77.6 38.4 115.2





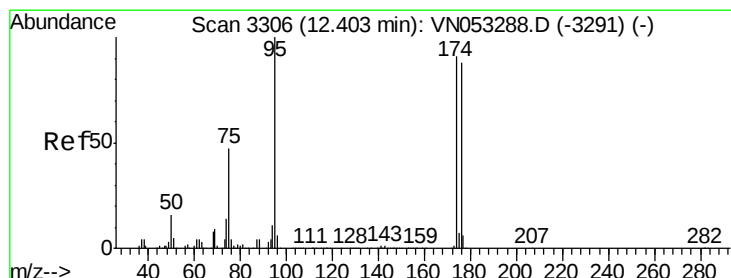
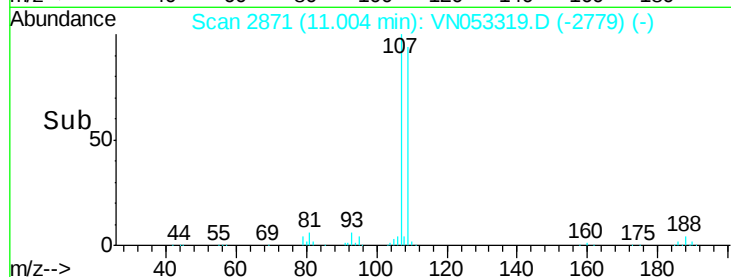
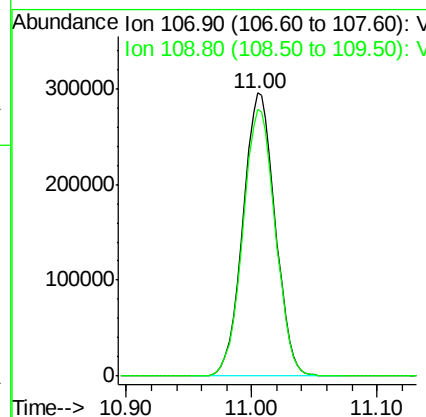
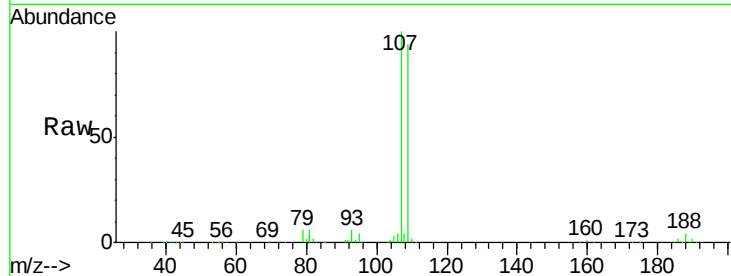
#61
 1,2-Dibromoethane
 Concen: 49.007 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.0	112.6

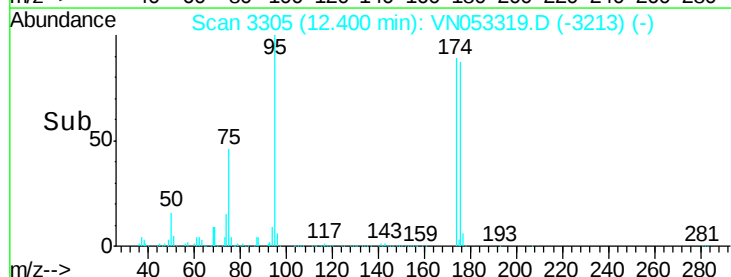
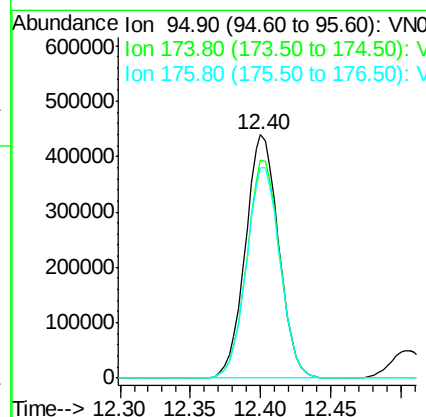
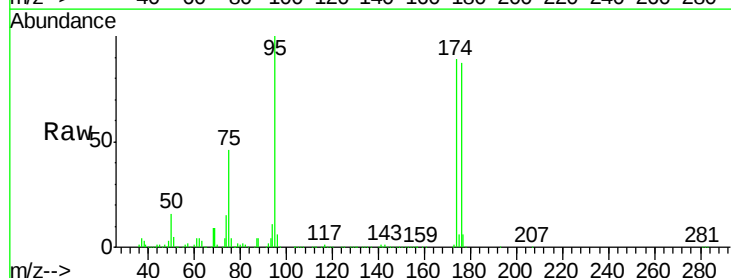
Manual Integrations
 APPROVED

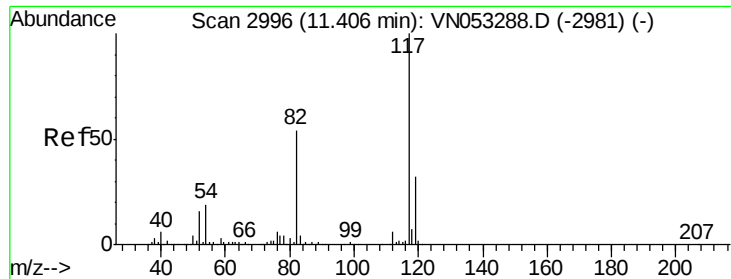
MMDadoda
 1/10/2019 9:25:13 AM



#62
 4-Bromofluorobenzene
 Concen: 49.007 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	180.4
176	87.7	0.0	175.6





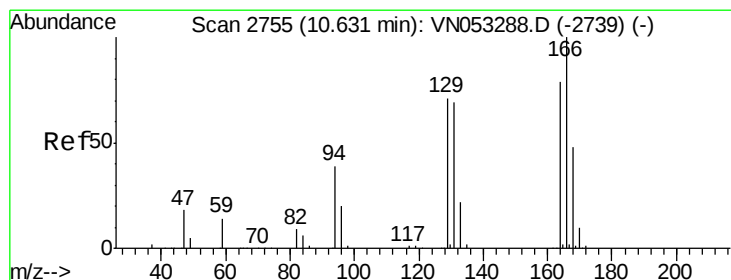
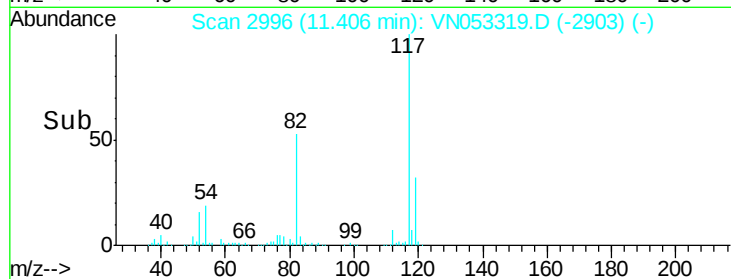
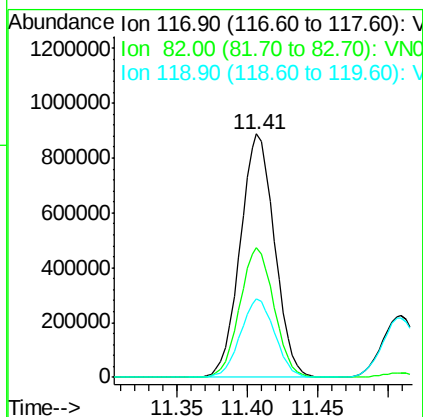
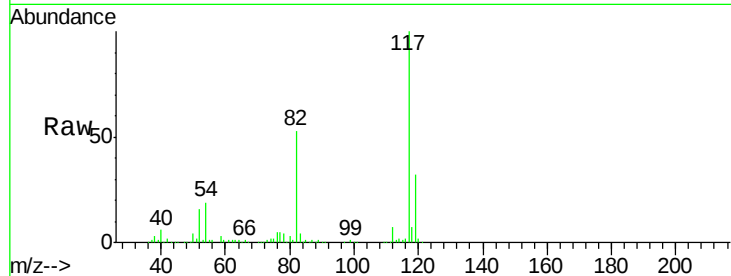
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.9	64.3
119	32.0	25.6	38.4

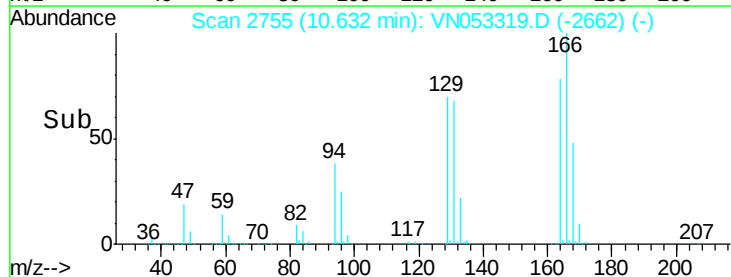
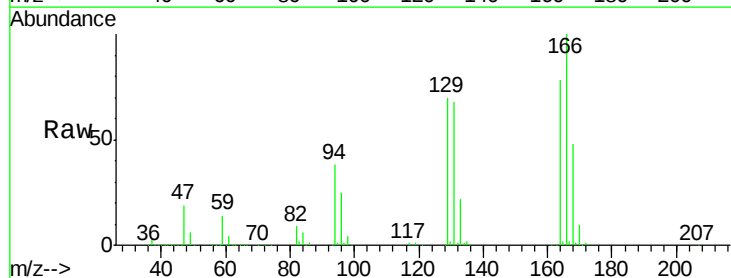
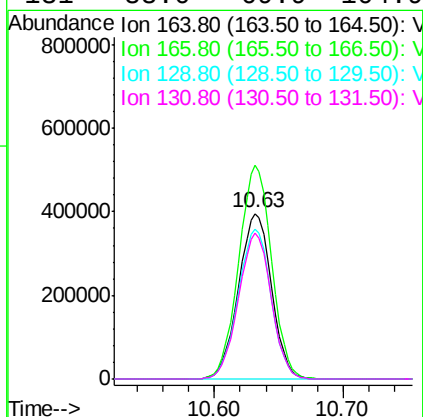
Manual Integrations
APPROVED

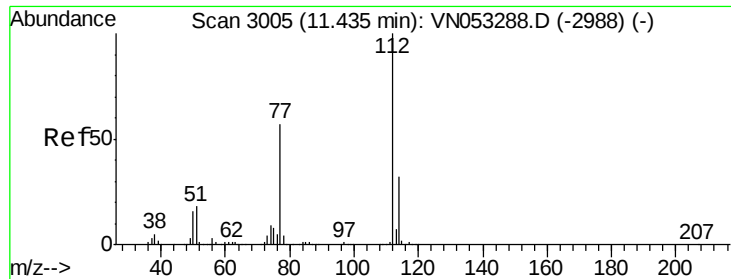
MMDadoda
1/10/2019 9:25:13 AM



#64
Tetrachloroethene
Concen: 49.365 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	101.7	152.5
129	90.8	72.1	108.1
131	88.0	69.9	104.9





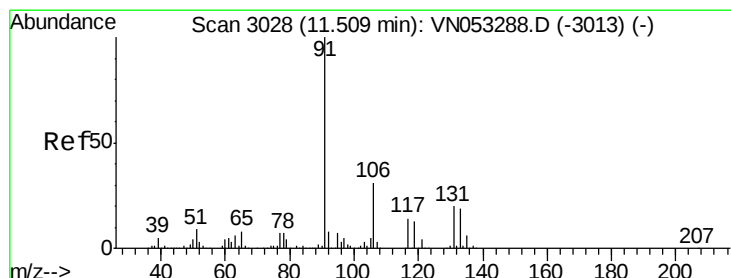
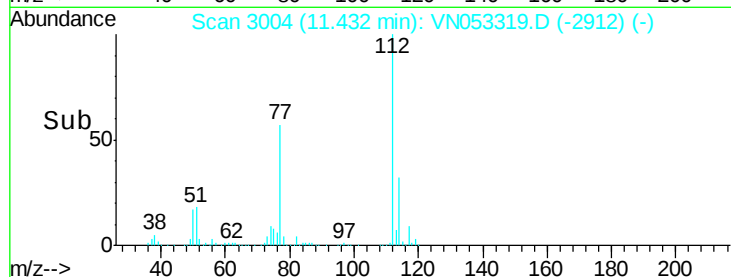
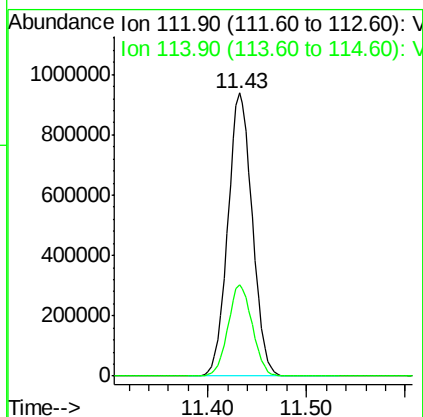
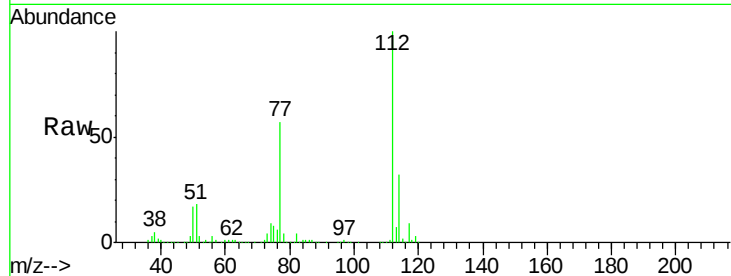
#65
Chlorobenzene
Concen: 49.243 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1622707
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

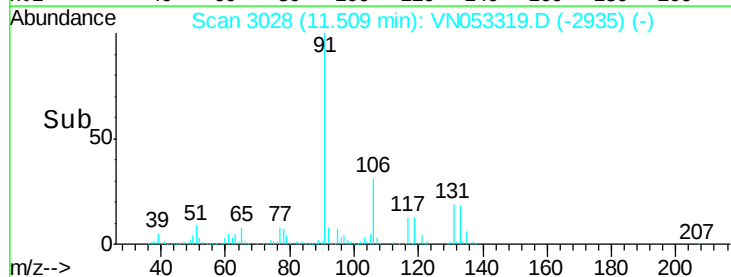
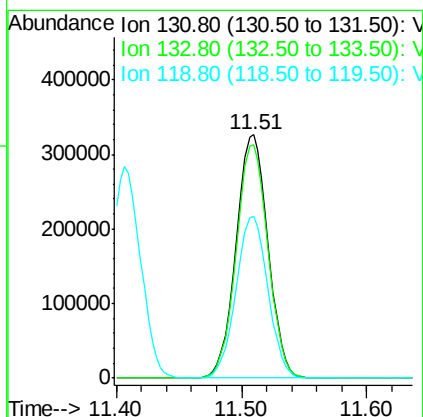
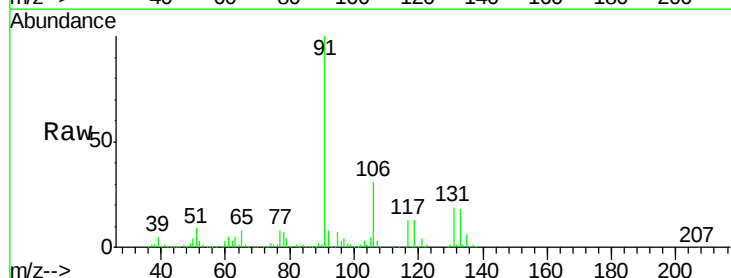
Manual Integrations
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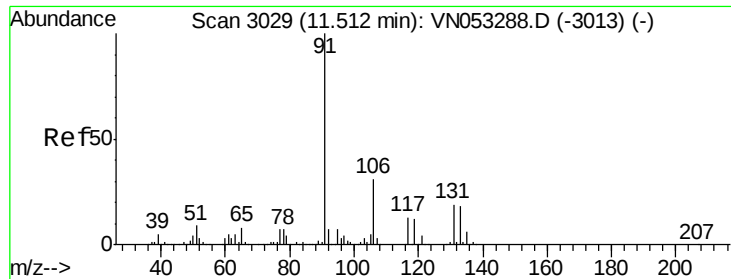
MMDadoda
1/10/2019 9:25:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.860 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:131 Resp: 575088
Ion Ratio Lower Upper
131 100
133 95.5 48.0 144.0
119 66.5 33.3 99.9





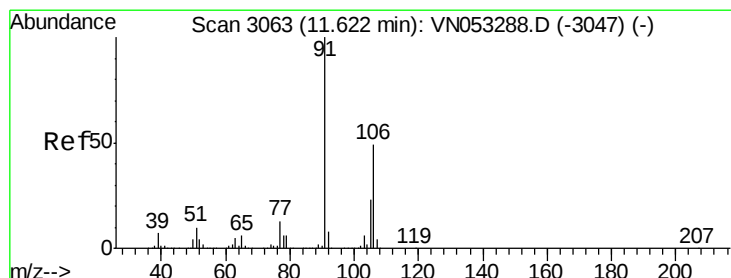
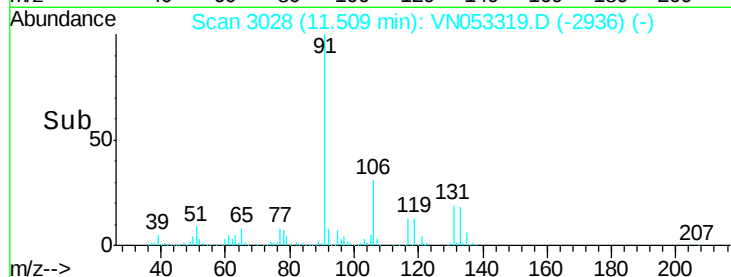
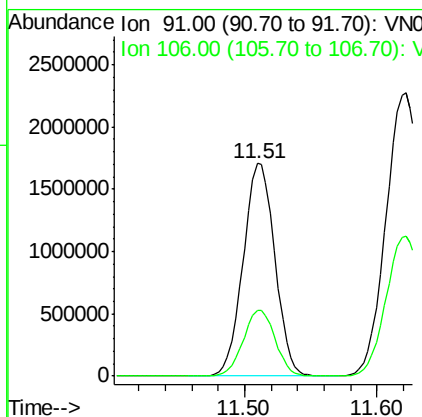
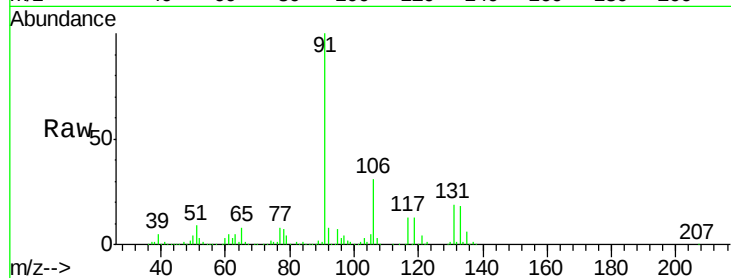
#67
Ethyl Benzene
Concen: 50.667 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2837111
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.4

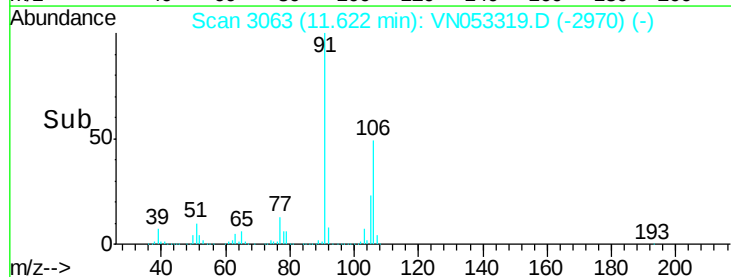
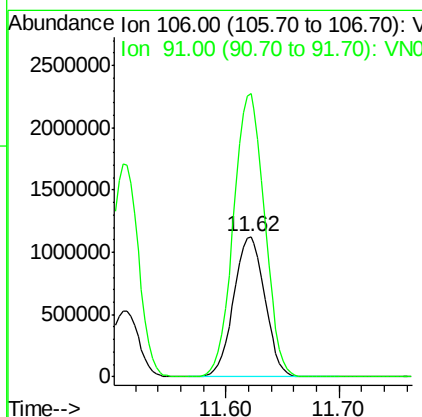
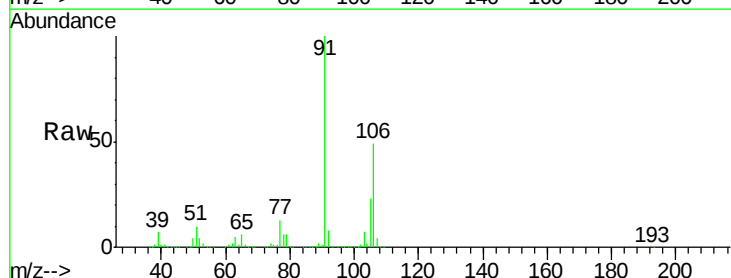
Manual Integrations
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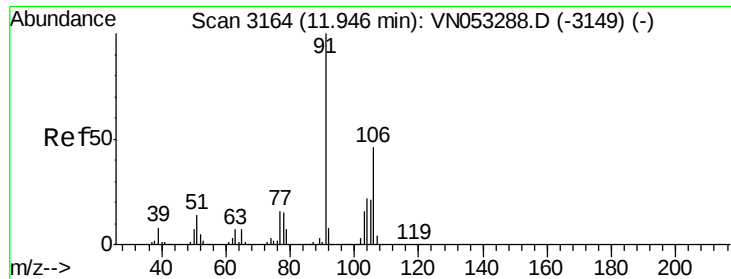
MMDadoda
1/10/2019 9:25:13 AM



#68
m/p-Xylenes
Concen: 102.328 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 106 Resp: 2154572
Ion Ratio Lower Upper
106 100
91 201.8 161.4 242.2





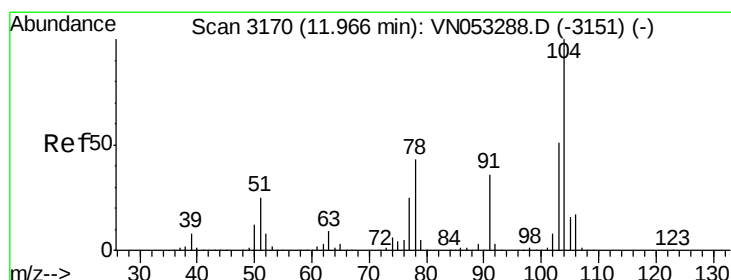
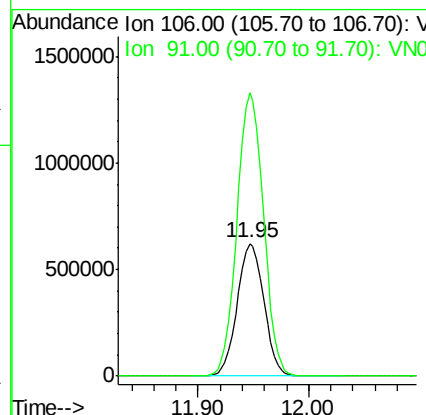
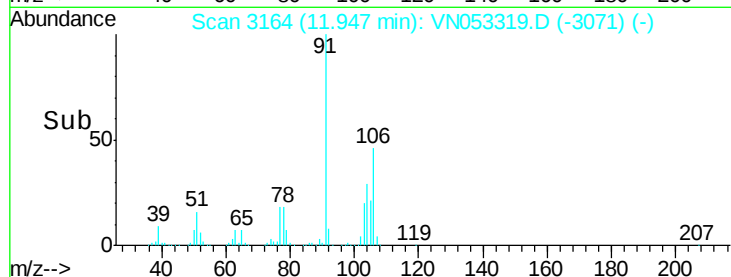
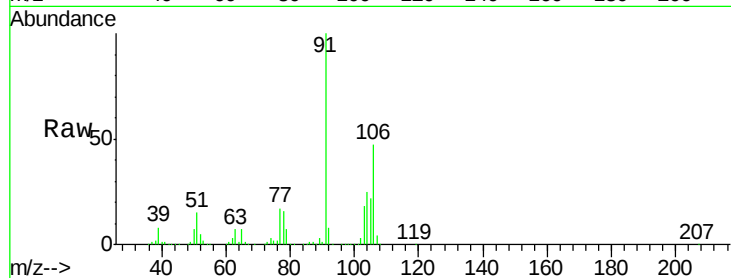
#69
o-Xylene
Concen: 50.458 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion:106 Resp: 1040113
Ion Ratio Lower Upper
106 100
91 213.3 106.8 320.4

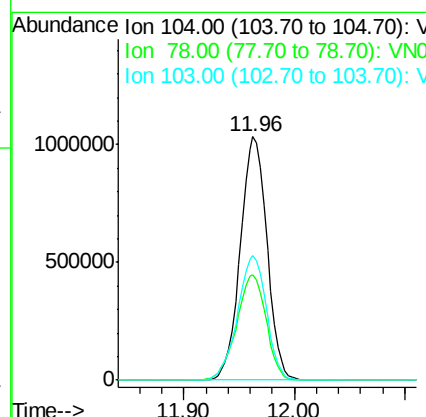
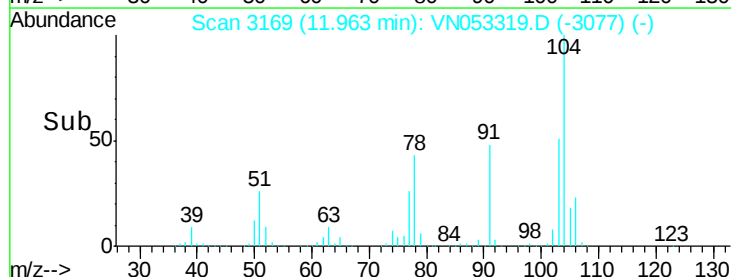
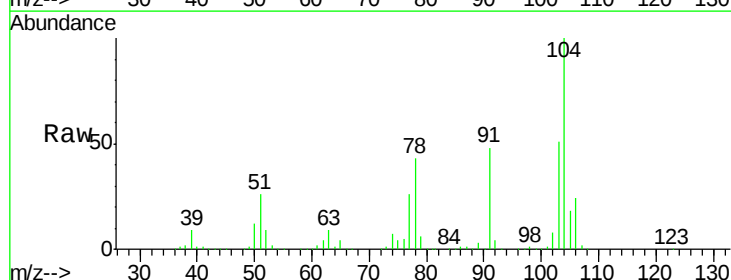
Manual Integrations
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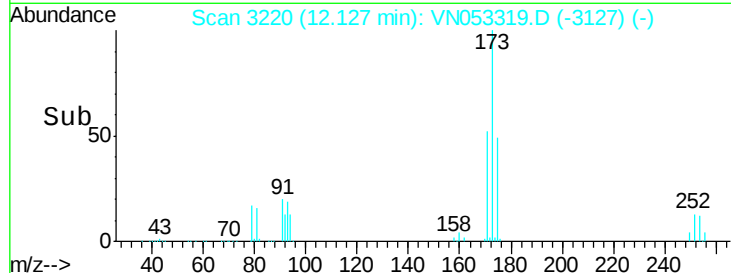
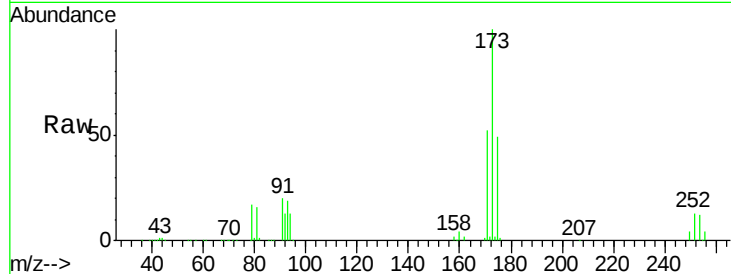
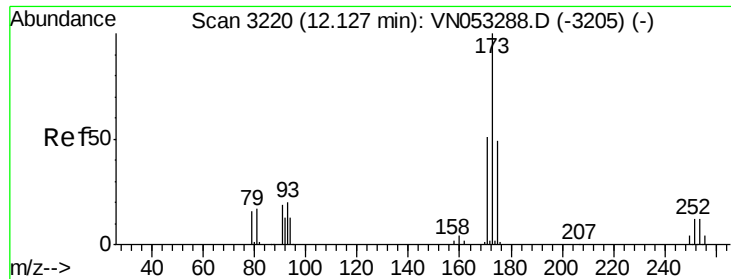
MMDadoda
1/10/2019 9:25:13 AM



#70
Styrene
Concen: 51.530 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:104 Resp: 1728771
Ion Ratio Lower Upper
104 100
78 47.8 38.5 57.7
103 55.4 44.5 66.7





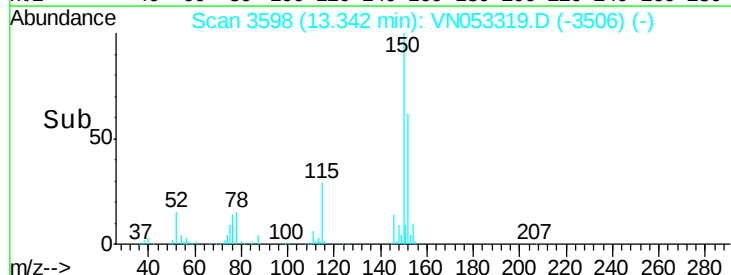
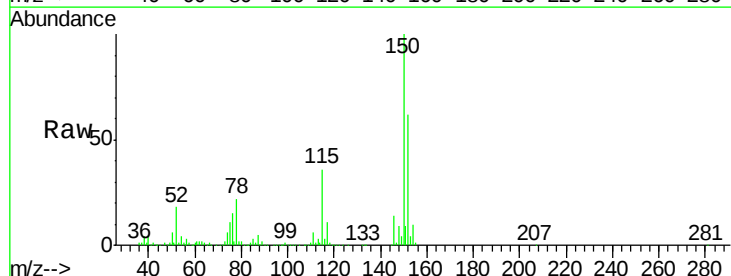
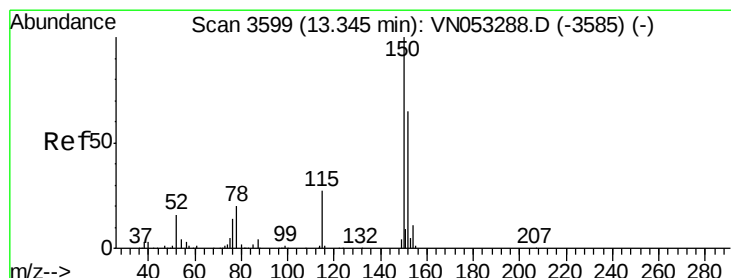
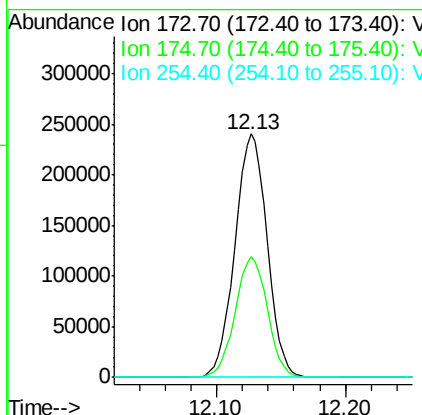
#71
Bromoform
Concen: 51.071 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tot Ion:173 Resp: 416075
Ion Ratio Lower Upper
173 100
175 49.4 24.3 72.8
254 0.1 0.2 0.2#

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

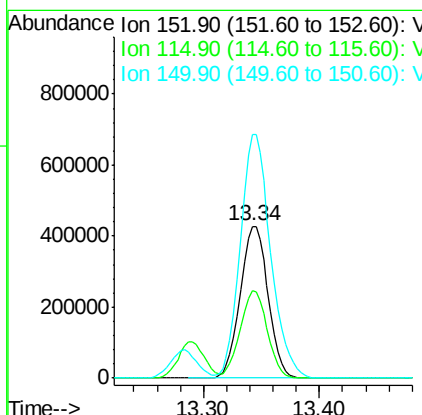
Manual Integrations
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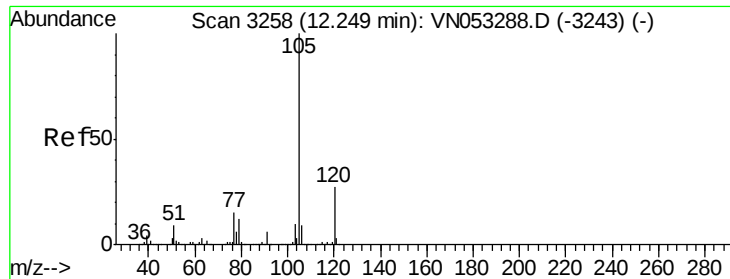
MMDadoda
1/10/2019 9:25:13 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion:152 Resp: 712456
Ion Ratio Lower Upper
152 100
115 56.2 28.0 84.0
150 174.5 0.0 346.6





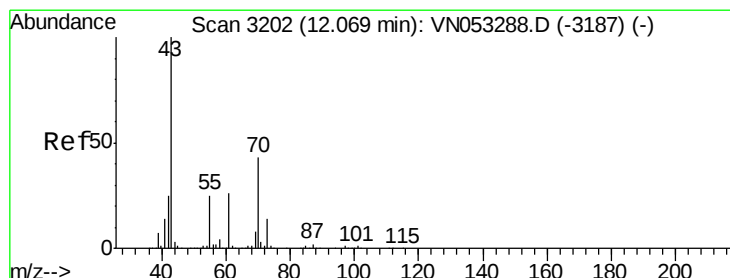
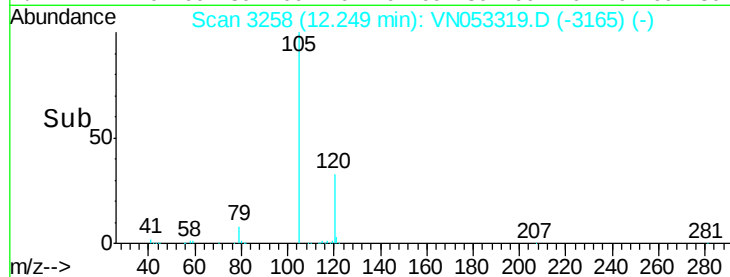
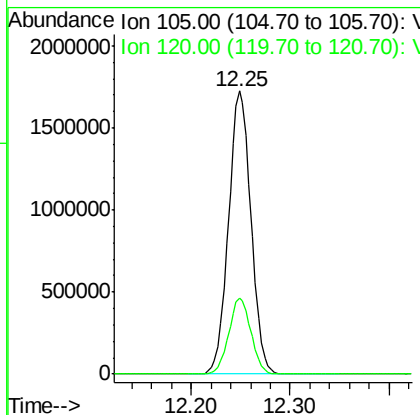
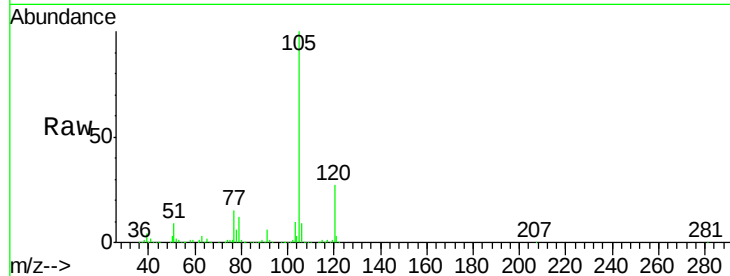
#73
Isopropylbenzene
Concen: 51.607 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 2737444
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2

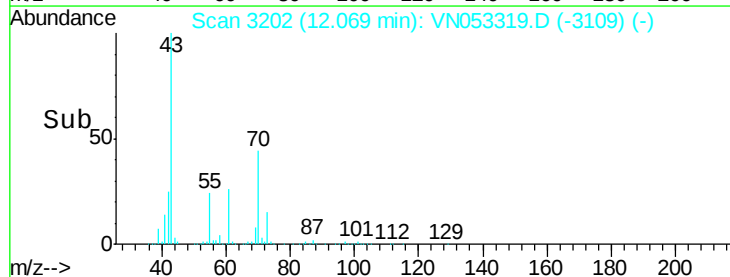
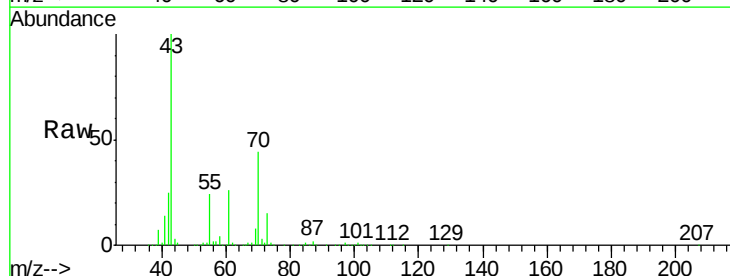
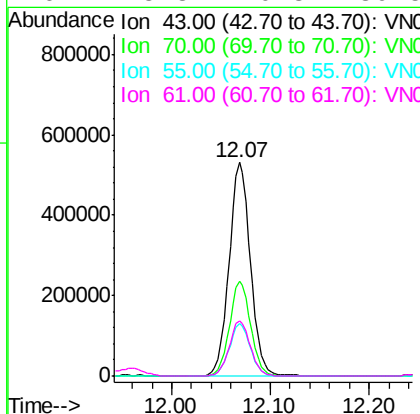
Manual Integrations
APPROVED

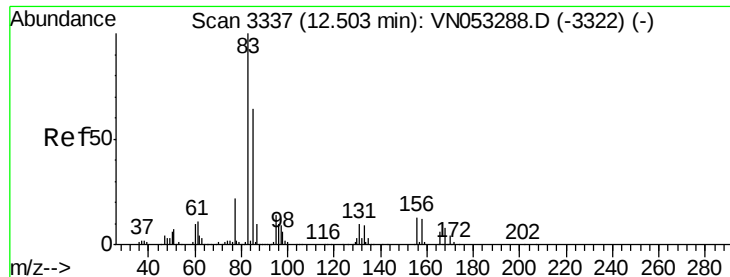
MMDadoda
1/10/2019 9:25:13 AM



#74
N-ethyl acetate
Concen: 50.579 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 43 Resp: 801144
Ion Ratio Lower Upper
43 100
70 44.4 35.0 52.6
55 24.5 20.0 30.0
61 25.8 20.3 30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 48.786 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

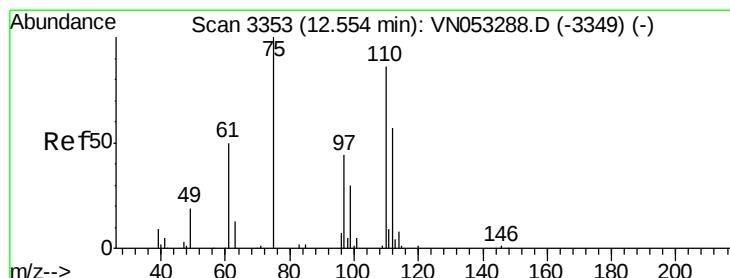
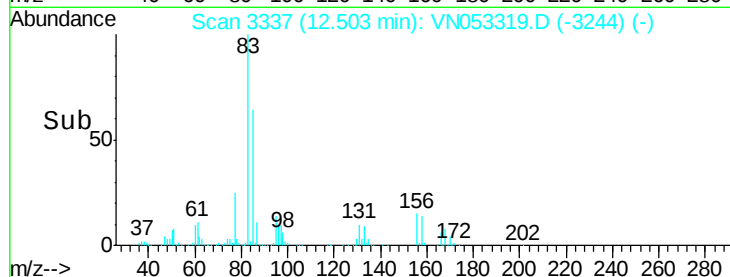
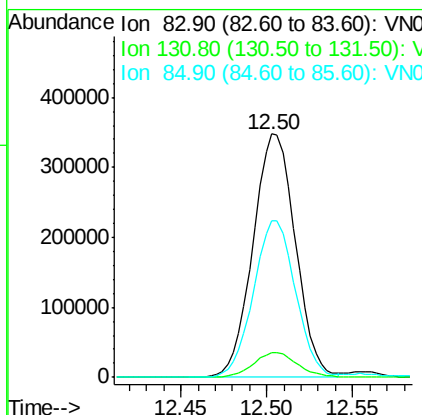
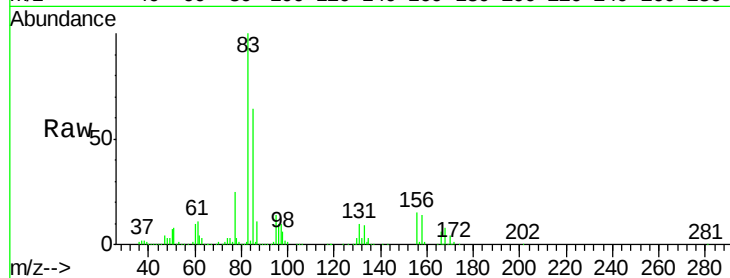
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	595285
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	63.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.308 ug/l m

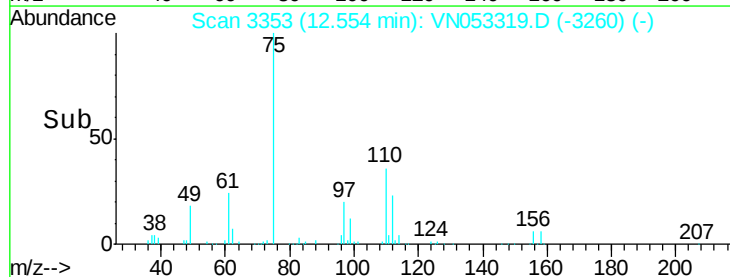
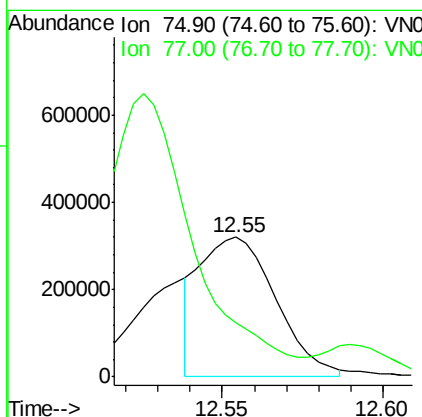
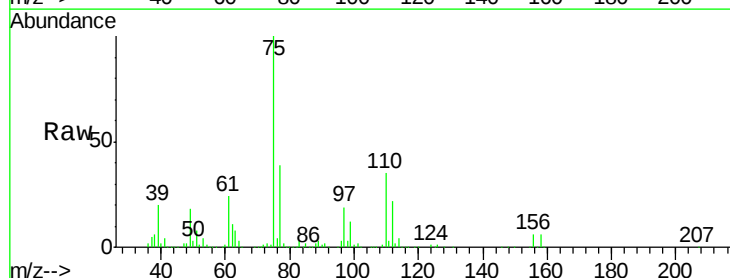
RT: 12.55 min Scan# 3353

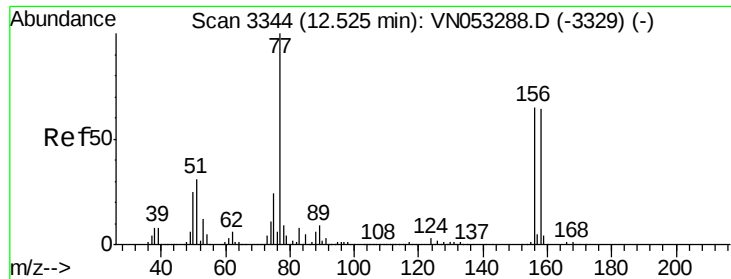
Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion:	75	Resp:	533172
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





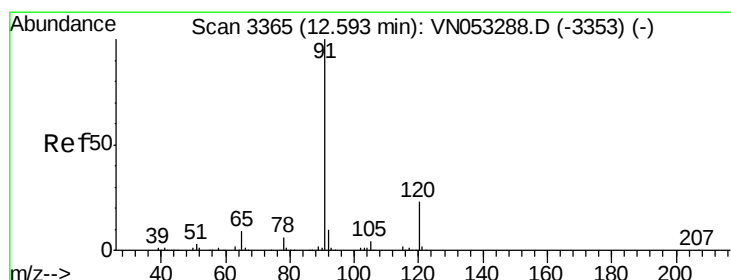
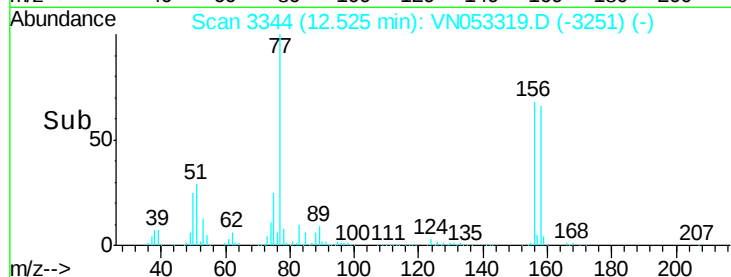
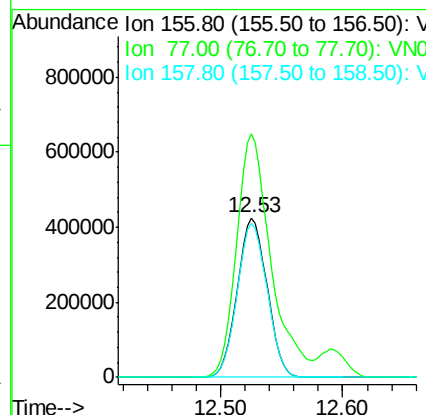
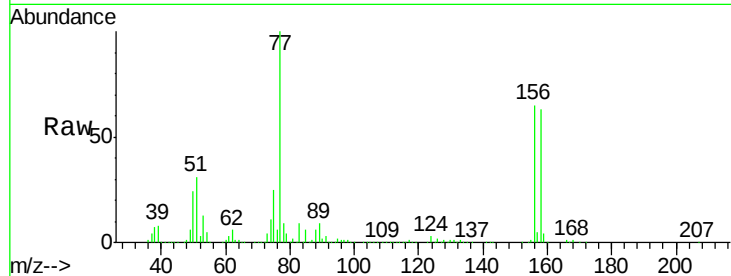
#77
Bromobenzene
Concen: 50.740 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		718346		
77	176.8	89.3	268.1		
158	97.4	48.9	146.8		

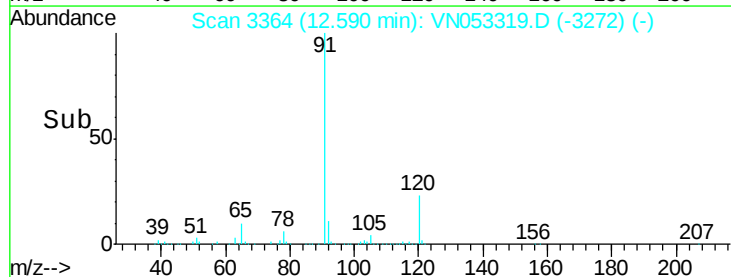
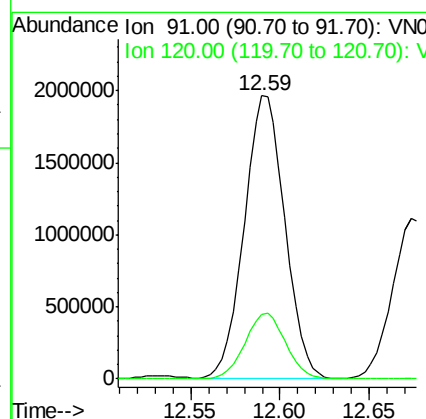
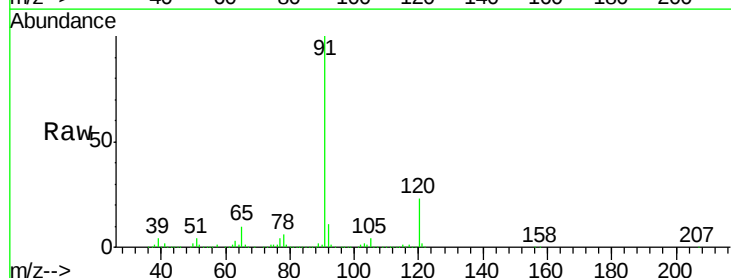
Manual Integrations
APPROVED

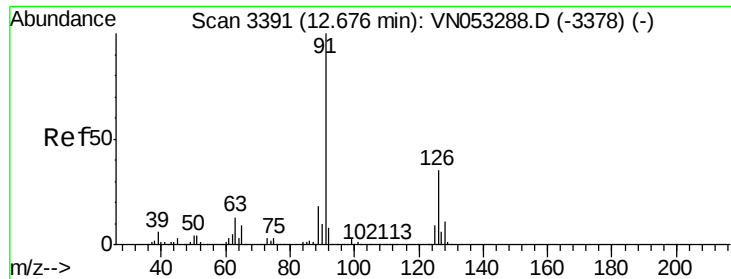
MMDadoda
1/10/2019 9:25:13 AM



#78
n-propylbenzene
Concen: 52.097 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		3125877		
120	23.2	11.5	34.5		





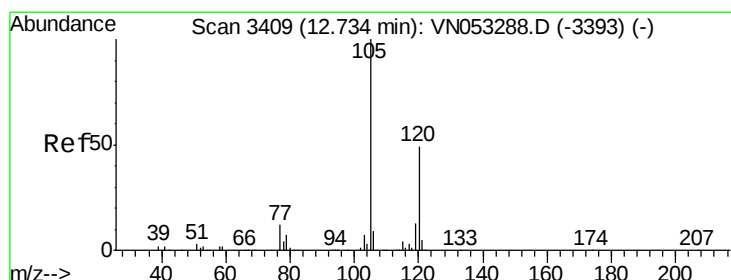
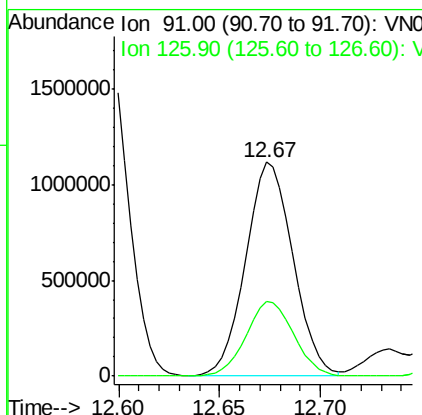
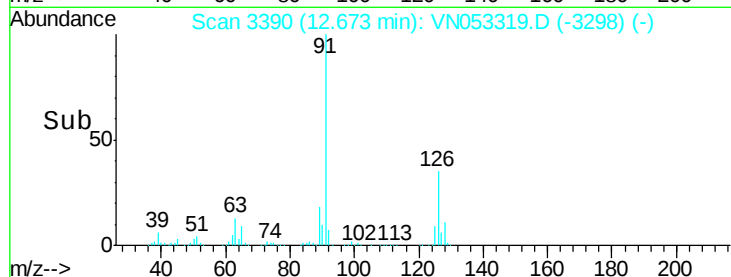
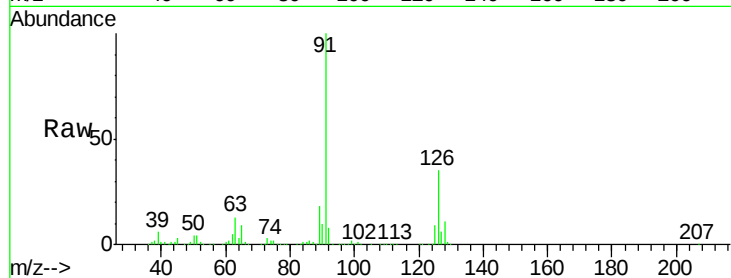
#79
2-Chlorotoluene
Concen: 50.456 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1831843
Ion Ratio Lower Upper
91 100
126 35.2 17.5 52.5

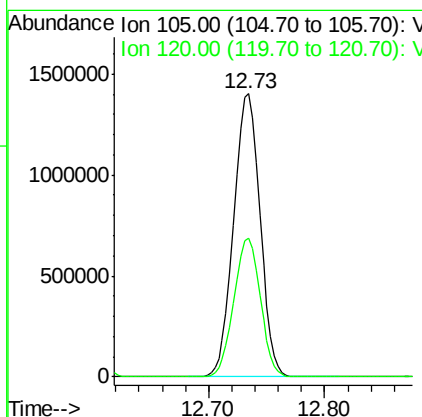
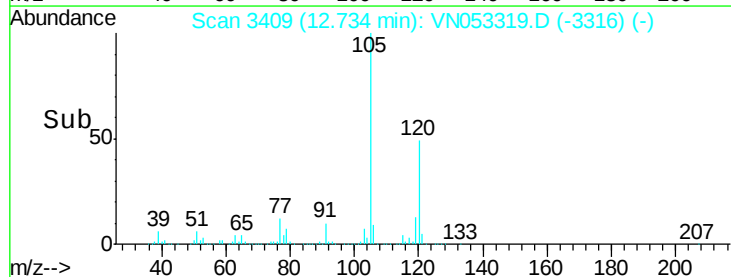
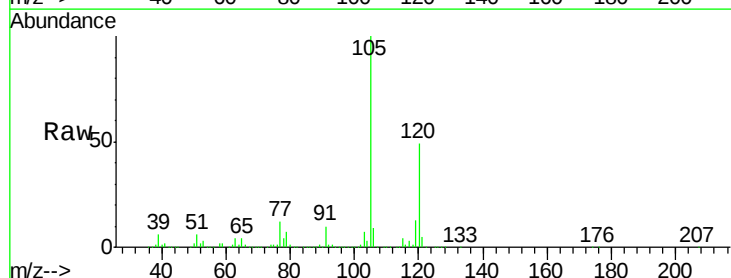
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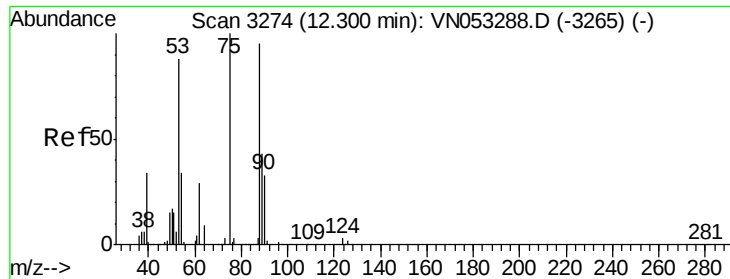
MMDadoda
1/10/2019 9:25:13 AM



#80
1,3,5-Trimethylbenzene
Concen: 51.438 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 105 Resp: 2197816
Ion Ratio Lower Upper
105 100
120 49.2 24.7 74.1





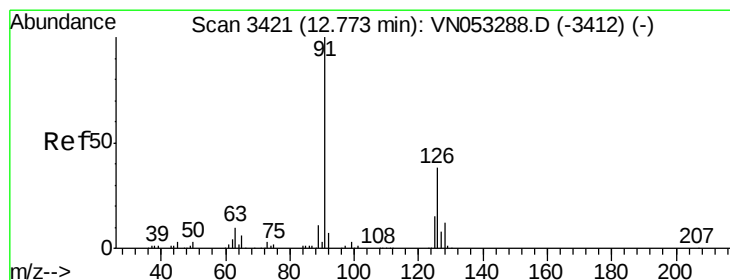
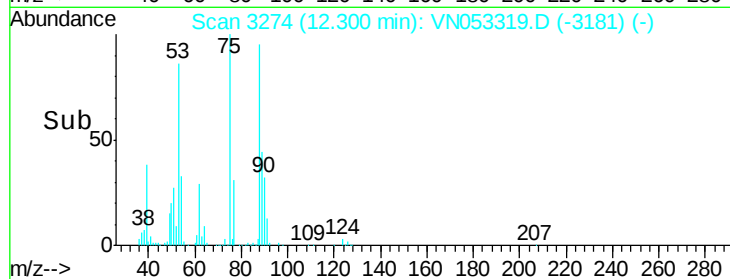
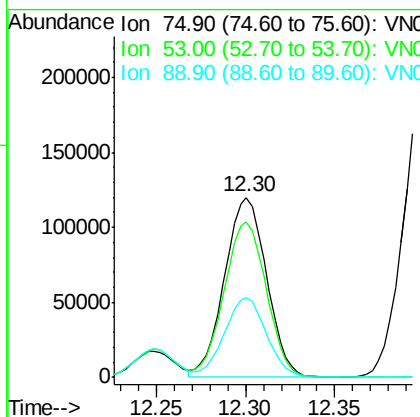
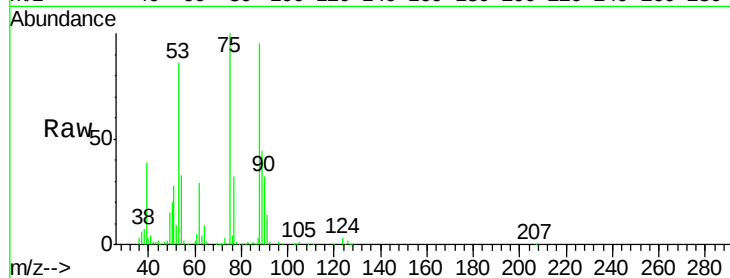
#81
trans-1,4-Dichloro-2-butene
Concen: 55.666 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.4	70.5	105.7
89	44.3	35.4	53.0

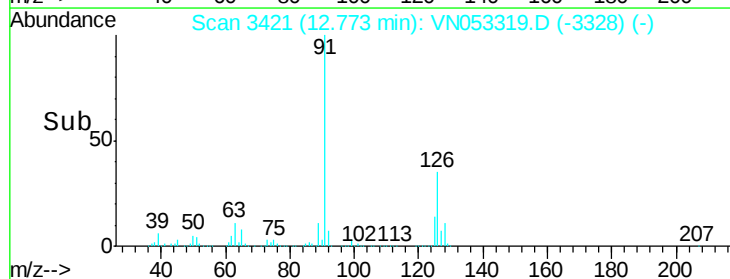
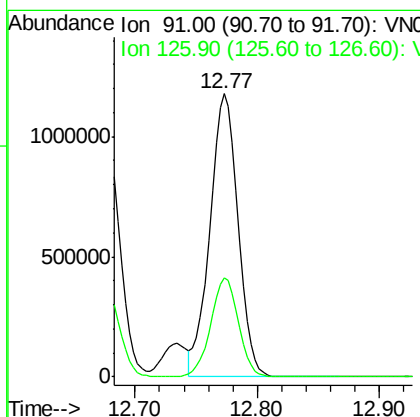
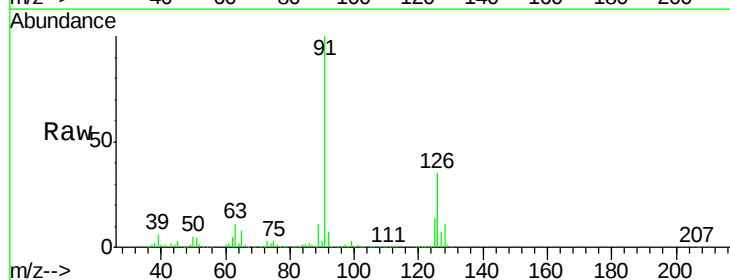
Manual Integrations
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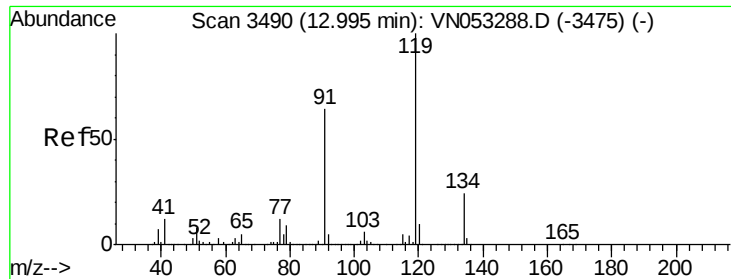
MMDadoda
1/10/2019 9:25:13 AM



#82
4-Chlorotoluene
Concen: 50.995 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.4	52.2





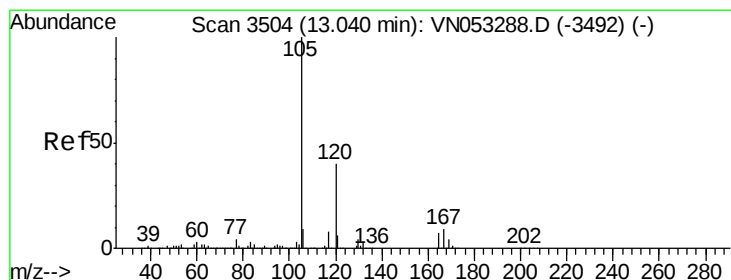
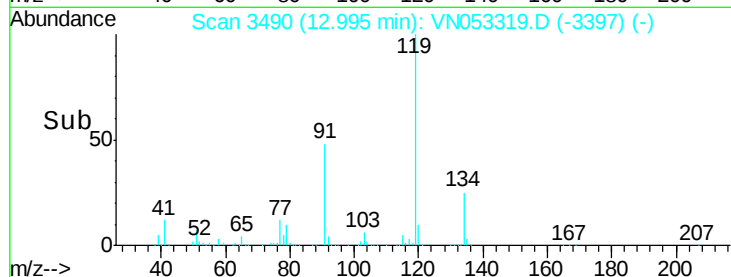
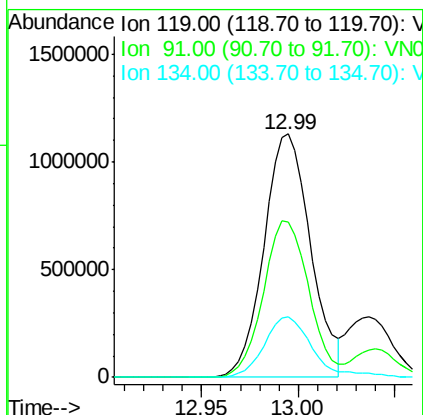
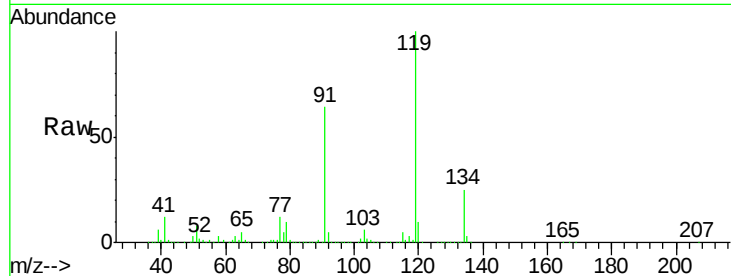
#83
 tert-Butylbenzene
 Concen: 50.634 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:119 Resp: 1898162
 Ion Ratio Lower Upper
 119 100
 91 62.6 31.6 95.0
 134 25.7 12.9 38.6

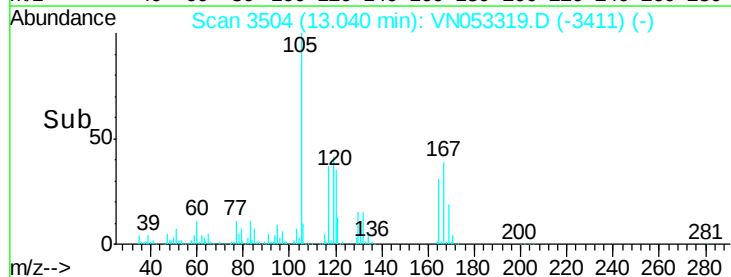
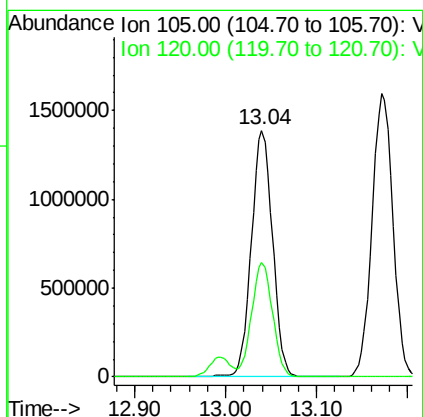
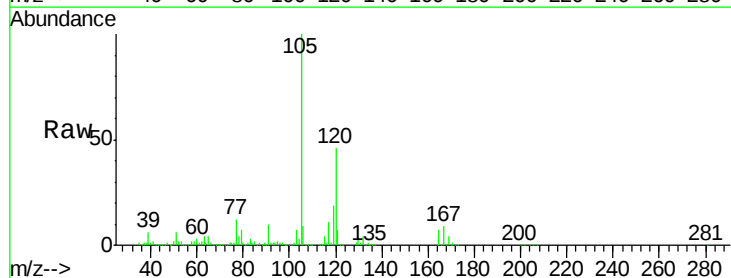
Manual Integrations
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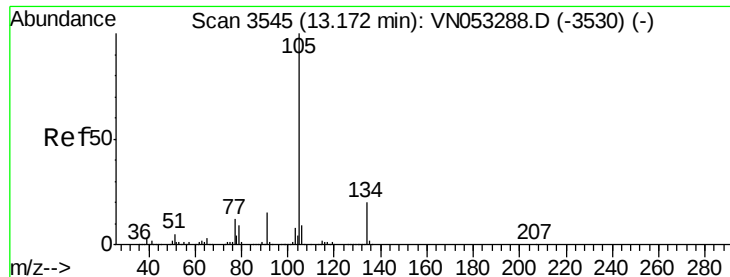
MMDadoda
 1/10/2019 9:25:13 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.441 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion:105 Resp: 2239163
 Ion Ratio Lower Upper
 105 100
 120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 51.303 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 2536363

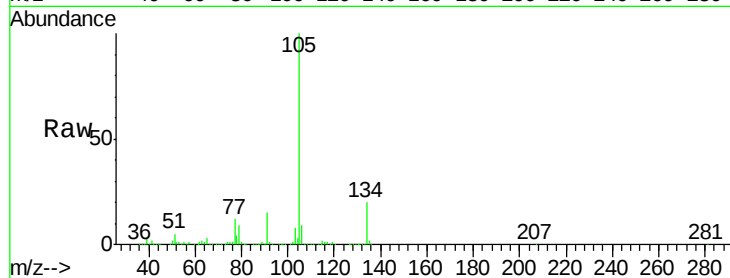
Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.6

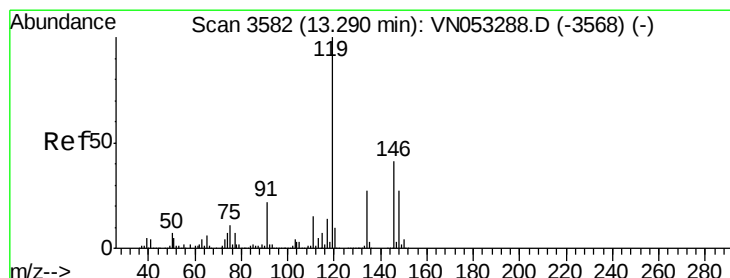
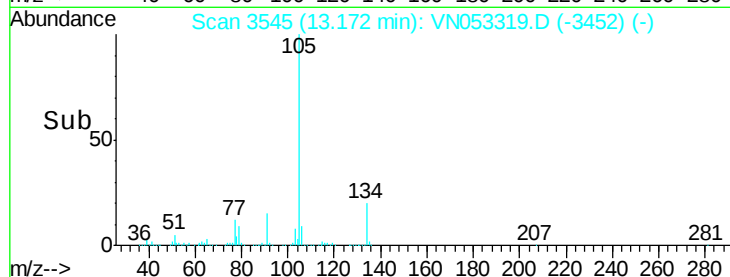
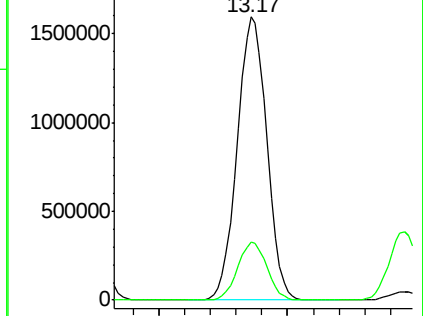
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.007 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

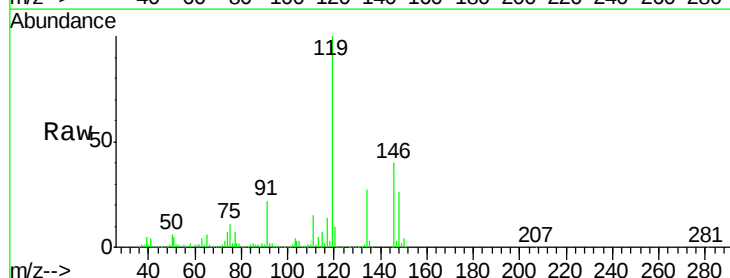
Tgt Ion:119 Resp: 2226155

Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.1

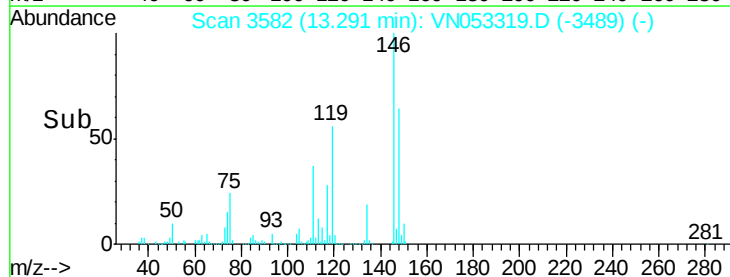
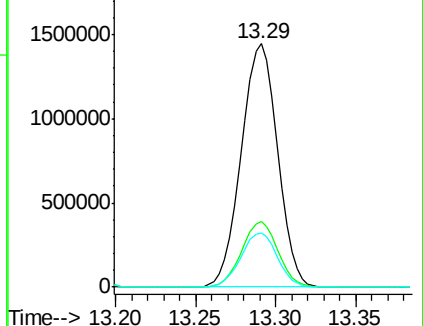
91 22.3 11.1 33.1

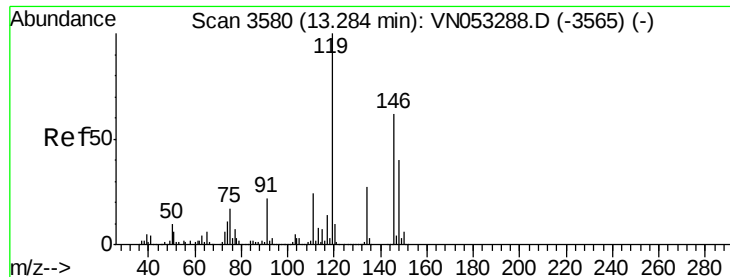


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87
 1,3-Dichlorobenzene
 Concen: 49.834 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

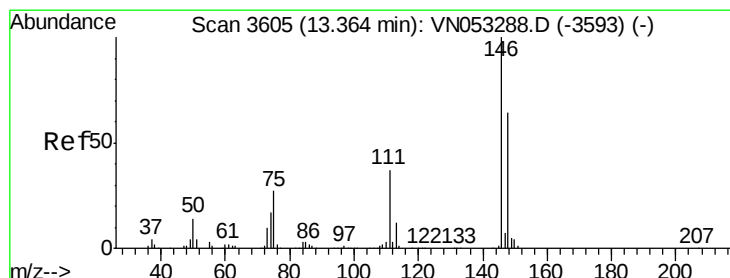
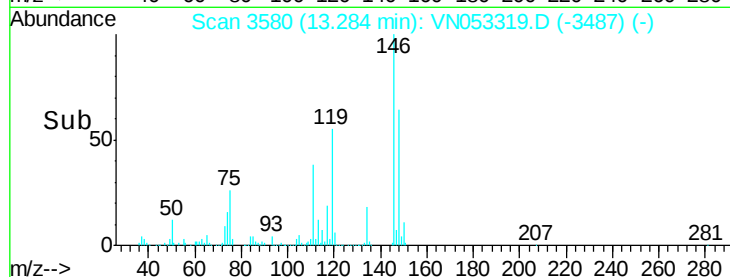
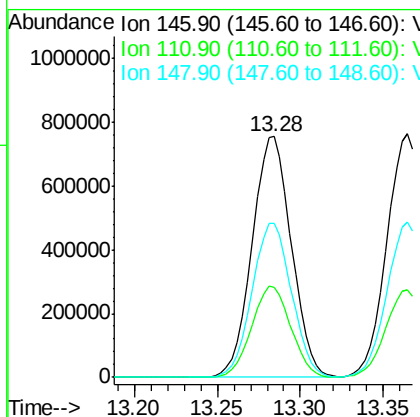
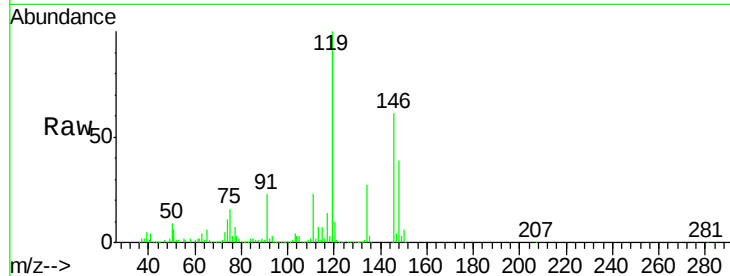
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1242409

Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.5
148	64.3	32.0	96.2

Manual Integrations
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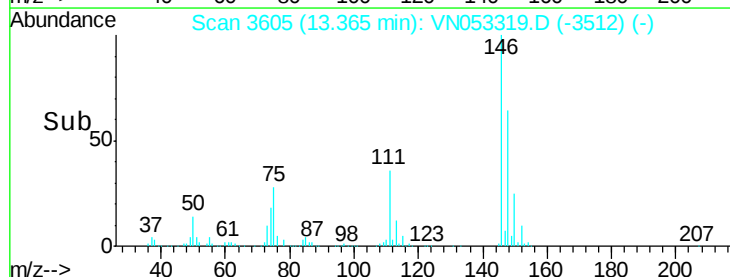
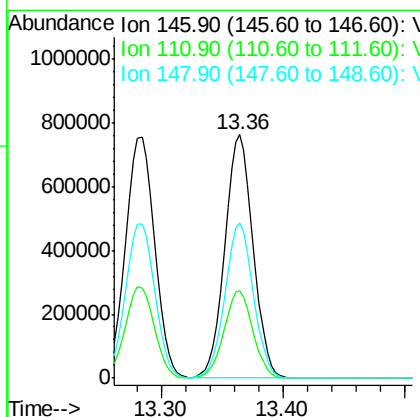
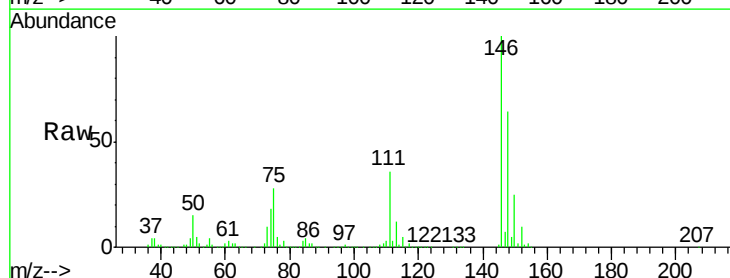
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 1/10/2019 9:25:13 AM

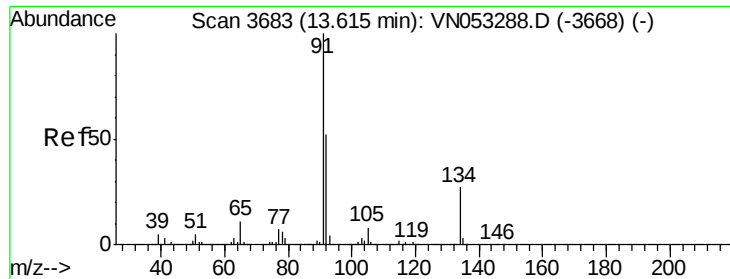


#88
 1,4-Dichlorobenzene
 Concen: 49.872 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion:146 Resp: 1233385

Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.1	32.0	96.0





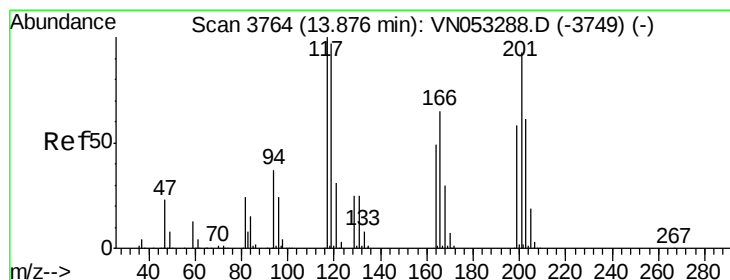
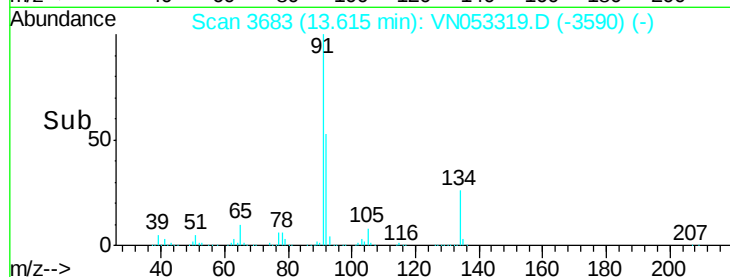
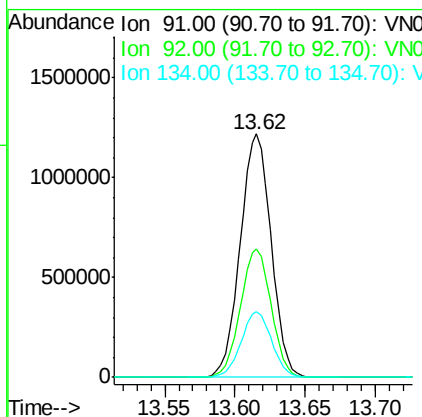
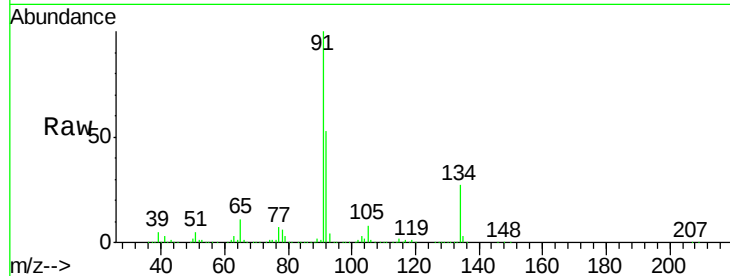
#89
n-Butylbenzene
Concen: 52.125 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1870641
Ion Ratio Lower Upper
91 100
92 52.5 26.3 78.8
134 26.7 13.5 40.5

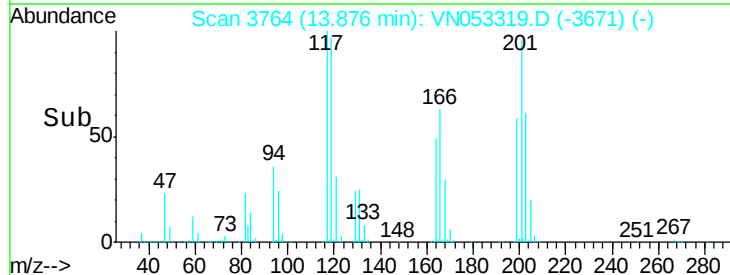
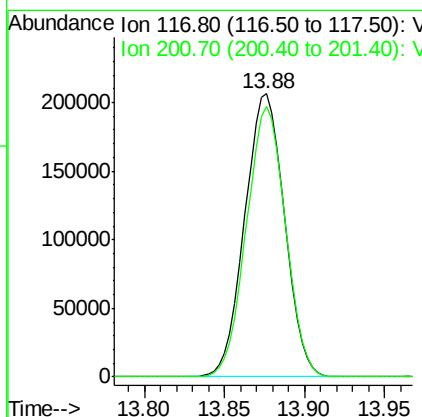
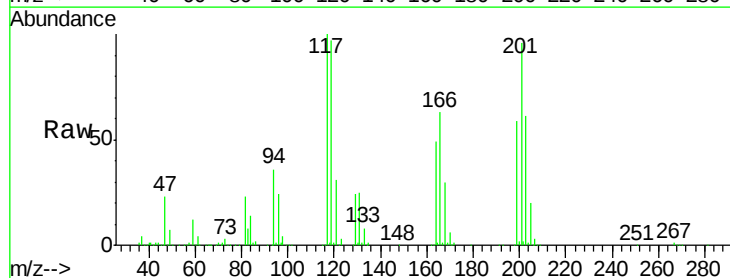
Manual Integrations
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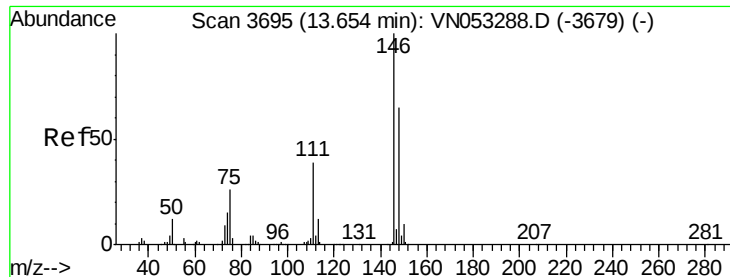
MMDadoda
1/10/2019 9:25:13 AM



#90
Hexachloroethane
Concen: 51.209 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053319.D
Acq: 9 Jan 2019 9:07

Tgt Ion: 117 Resp: 351335
Ion Ratio Lower Upper
117 100
201 94.1 46.1 138.3





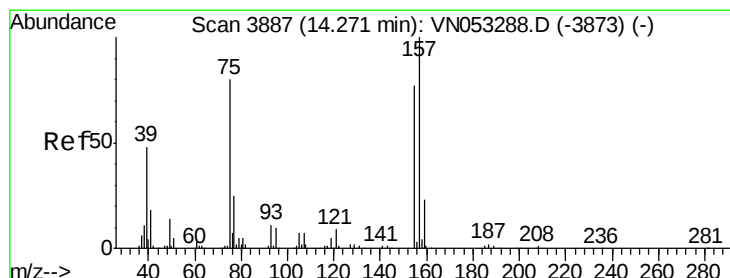
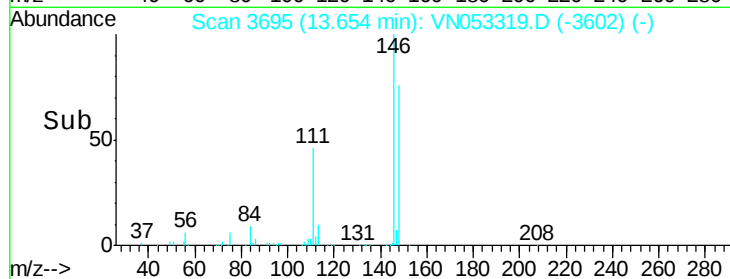
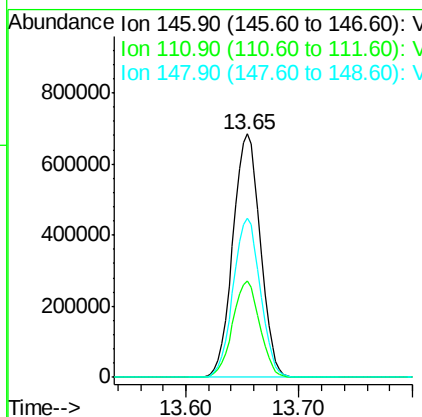
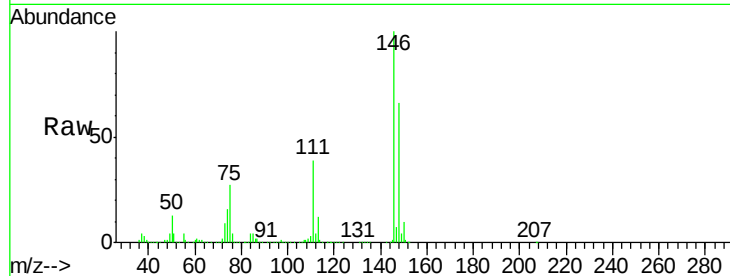
#91
 1,2-Dichlorobenzene
 Concen: 49.558 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.4	58.2
148	64.7	32.2	96.6

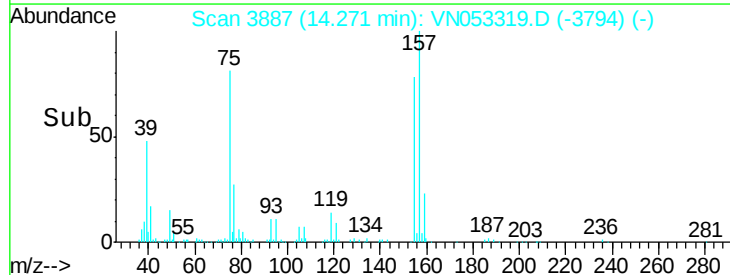
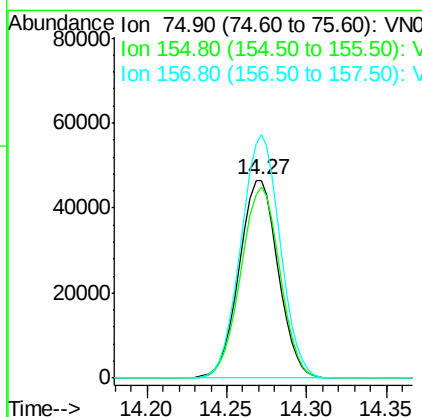
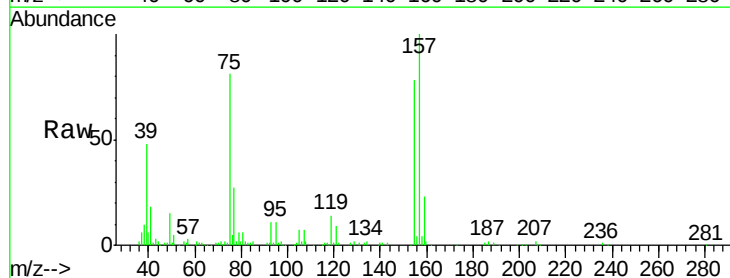
Manual Integrations
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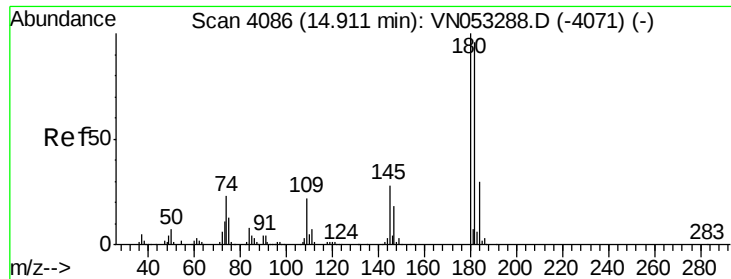
MMDadoda
 1/10/2019 9:25:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.237 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.7	48.1	144.3
157	123.7	61.5	184.4





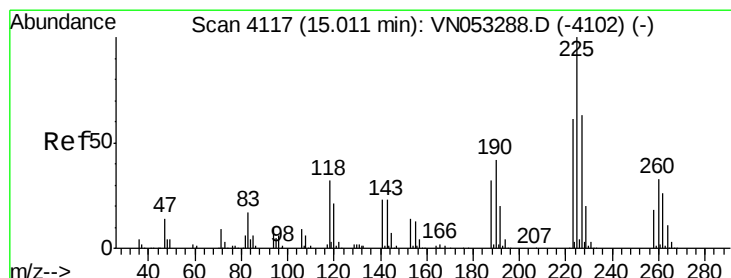
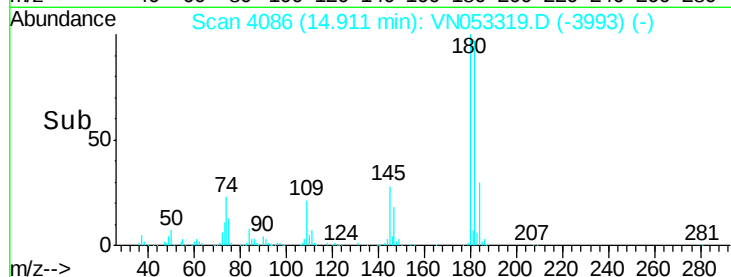
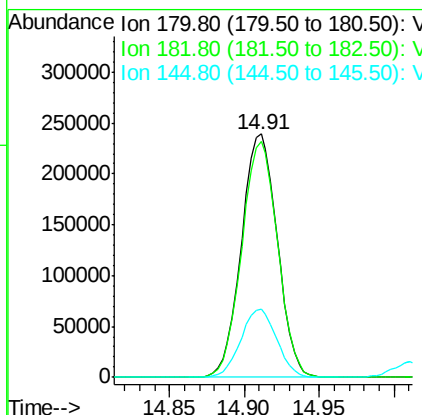
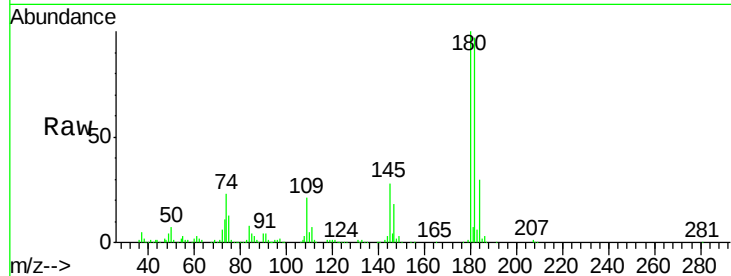
#93
 1,2,4-Trichlorobenzene
 Concen: 54.346 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	399049		
182	96.9	47.8	143.4	
145	28.1	14.4	43.0	

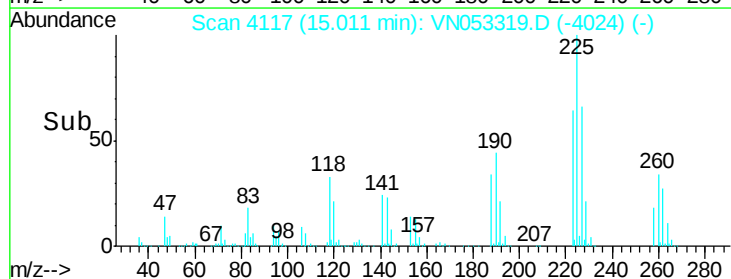
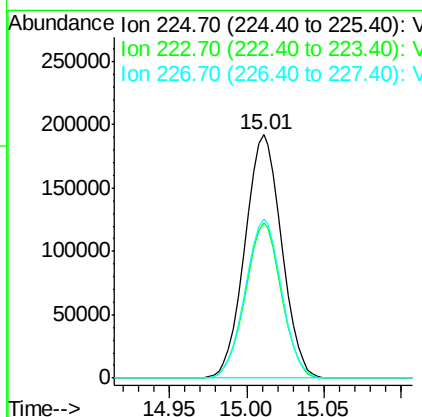
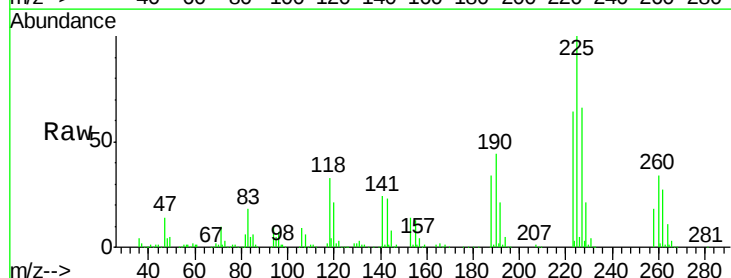
Manual Integrations
 APPROVED

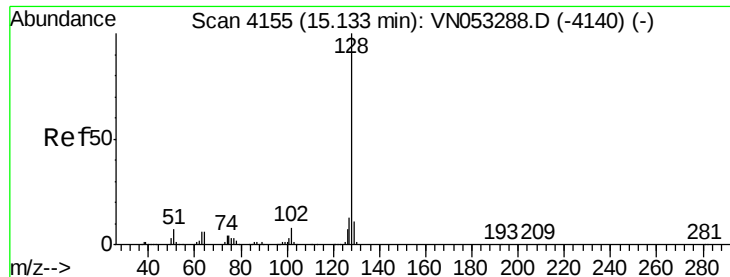
MMDadoda
 1/10/2019 9:25:13 AM



#94
 Hexachlorobutadiene
 Concen: 52.801 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053319.D
 Acq: 9 Jan 2019 9:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	317117		
223	62.6	30.9	92.8	
227	64.8	31.4	94.2	





#95

Naphthalene

Concen: 57.016 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Instrument :

MSVOA_N

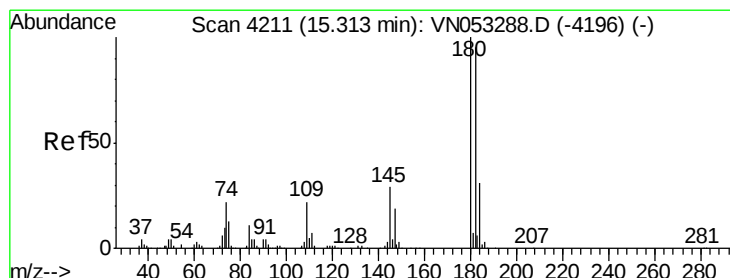
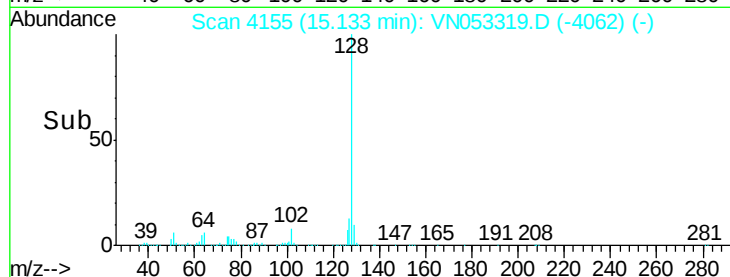
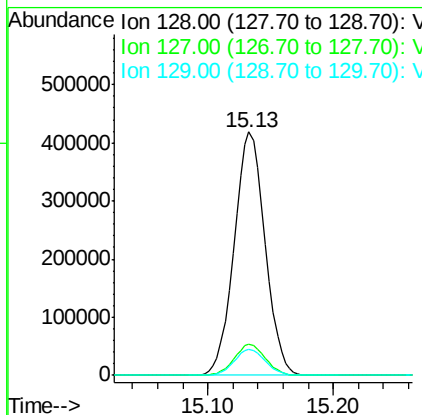
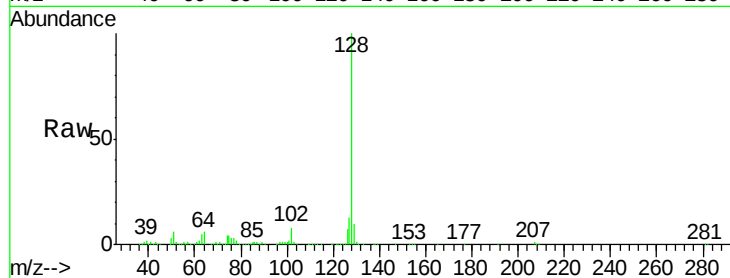
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	714203
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
1/10/2019 9:25:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 55.467 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN053319.D

Acq: 9 Jan 2019 9:07

Tgt Ion:	180	Resp:	266652
Ion Ratio	Lower	Upper	
180	100		
182	96.2	48.4	145.0
145	29.5	14.9	44.5

