

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN057954.D
 Acq On : 12 Sep 2019 8:54
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:05:26 PM

Quant Time: Sep 13 04:57:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	348244	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	558017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	539168	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	330403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	357146	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	
35) Dibromofluoromethane	7.57	113	257521	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	
50) Toluene-d8	10.09	98	1056232	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
62) 4-Bromofluorobenzene	12.40	95	382954	50.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	227374	47.211	ug/l	98
3) Chloromethane	2.03	50	204245	41.610	ug/l	98
4) Vinyl Chloride	2.16	62	218729	42.103	ug/l	99
5) Bromomethane	2.53	94	124188	43.297	ug/l	98
6) Chloroethane	2.67	64	141412	42.717	ug/l	98
7) Trichlorofluoromethane	2.99	101	281134	43.002	ug/l	99
8) Diethyl Ether	3.39	74	119448	43.805	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	192522	46.681	ug/l	100
10) Methyl Iodide	3.92	142	189311	41.249	ug/l	99
11) Tert butyl alcohol	4.76	59	172419	201.970	ug/l	99
12) 1,1-Dichloroethene	3.71	96	162590	43.846	ug/l	98
13) Acrolein	3.58	56	147692	203.920	ug/l	100
14) Allyl chloride	4.29	41	320461	44.159	ug/l	98
15) Acrylonitrile	4.96	53	531325	226.439	ug/l	99
16) Acetone	3.79	43	608409	263.126	ug/l	97
17) Carbon Disulfide	4.02	76	244091	42.318	ug/l	100
18) Methyl Acetate	4.30	43	286618	46.490	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	714095	46.273	ug/l	100
20) Methylene Chloride	4.52	84	221462	50.319	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	179015	44.658	ug/l	96
22) Diisopropyl ether	5.92	45	824873	48.470	ug/l	100
23) Vinyl Acetate	5.87	43	2981901	247.239	ug/l	99
24) 1,1-Dichloroethane	5.82	63	439326	47.235	ug/l	99
25) 2-Butanone	6.81	43	813967	243.221	ug/l	99
26) 2,2-Dichloropropane	6.80	77	348467	47.343	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	249427	46.431	ug/l	99
28) Bromochloromethane	7.17	49	233347	50.219	ug/l	98
29) Tetrahydrofuran	7.19	42	463174	224.602	ug/l	99
30) Chloroform	7.35	83	457942	47.090	ug/l	98
31) Cyclohexane	7.63	56	310968	49.019	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	360702	46.766	ug/l	99
36) 1,1-Dichloropropene	7.77	75	294939	45.575	ug/l	100
37) Ethyl Acetate	6.91	43	298699	44.673	ug/l	100
38) Carbon Tetrachloride	7.76	117	288701	48.862	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	309115	45.438	ug/l	98
40) Benzene	8.02	78	922717	47.359	ug/l	97
41) Methacrylonitrile	7.15	41	131033	43.172	ug/l	94
42) 1,2-Dichloroethane	8.11	62	373730	47.962	ug/l	100
43) Isopropyl Acetate	8.15	43	527662	46.928	ug/l	99
44) Trichloroethene	8.82	130	223954	46.865	ug/l	100
45) 1,2-Dichloropropane	9.11	63	275305	48.560	ug/l	100
46) Dibromomethane	9.20	93	164965	48.152	ug/l	99
47) Bromodichloromethane	9.39	83	348655	50.964	ug/l	98
48) Methyl methacrylate	9.19	41	268986	47.159	ug/l	99
49) 1,4-Dioxane	9.19	88	84892	880.113	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1649911	247.960	ug/l	100
52) Toluene	10.15	92	594784	48.469	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	364467	50.591	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	404689	50.879	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	254978	49.053	ug/l	98
56) Ethyl methacrylate	10.43	69	381336	48.716	ug/l	99
57) 1,3-Dichloropropane	10.71	76	437935	48.887	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	804031	218.084	ug/l	100
59) 2-Hexanone	10.75	43	1276146	255.875	ug/l	100
60) Dibromochloromethane	10.90	129	248737	51.532	ug/l	100
61) 1,2-Dibromoethane	11.00	107	242396	49.325	ug/l	100
64) Tetrachloroethene	10.63	164	180063	45.231	ug/l	99
65) Chlorobenzene	11.43	112	675541	47.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	241497	49.323	ug/l	100
67) Ethyl Benzene	11.51	91	1227786	49.650	ug/l	99
68) m/p-Xylenes	11.62	106	896311	98.950	ug/l	100
69) o-Xylene	11.95	106	440548	48.921	ug/l	98
70) Styrene	11.97	104	789639	50.951	ug/l	100
71) Bromoform	12.13	173	151606	49.664	ug/l #	99
73) Isopropylbenzene	12.25	105	1244198	48.529	ug/l	99
74) N-amyl acetate	12.07	43	514655	46.125	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	391969	45.407	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	322395m	43.134	ug/l	
77) Bromobenzene	12.53	156	288195	45.086	ug/l	99
78) n-propylbenzene	12.59	91	1471744	49.990	ug/l	99
79) 2-Chlorotoluene	12.68	91	871130	46.816	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1072576	49.512	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	99020	46.620	ug/l	93
82) 4-Chlorotoluene	12.78	91	928139	48.572	ug/l	98
83) tert-Butylbenzene	13.00	119	921001	47.829	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1108807	50.362	ug/l	98
85) sec-Butylbenzene	13.18	105	1269529	49.741	ug/l	100
86) p-Isopropyltoluene	13.29	119	1154137	51.322	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	564300	48.096	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	559039	46.941	ug/l	100
89) n-Butylbenzene	13.62	91	1083605	51.025	ug/l	99
90) Hexachloroethane	13.88	117	169482	50.676	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	554164	47.277	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	68206	47.844	ug/l	97

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	340522	44.446	ug/l	98
94) Hexachlorobutadiene	15.02	225	154732	47.643	ug/l	97
95) Naphthalene	15.13	128	934910	48.282	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	318237	47.628	ug/l	99

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

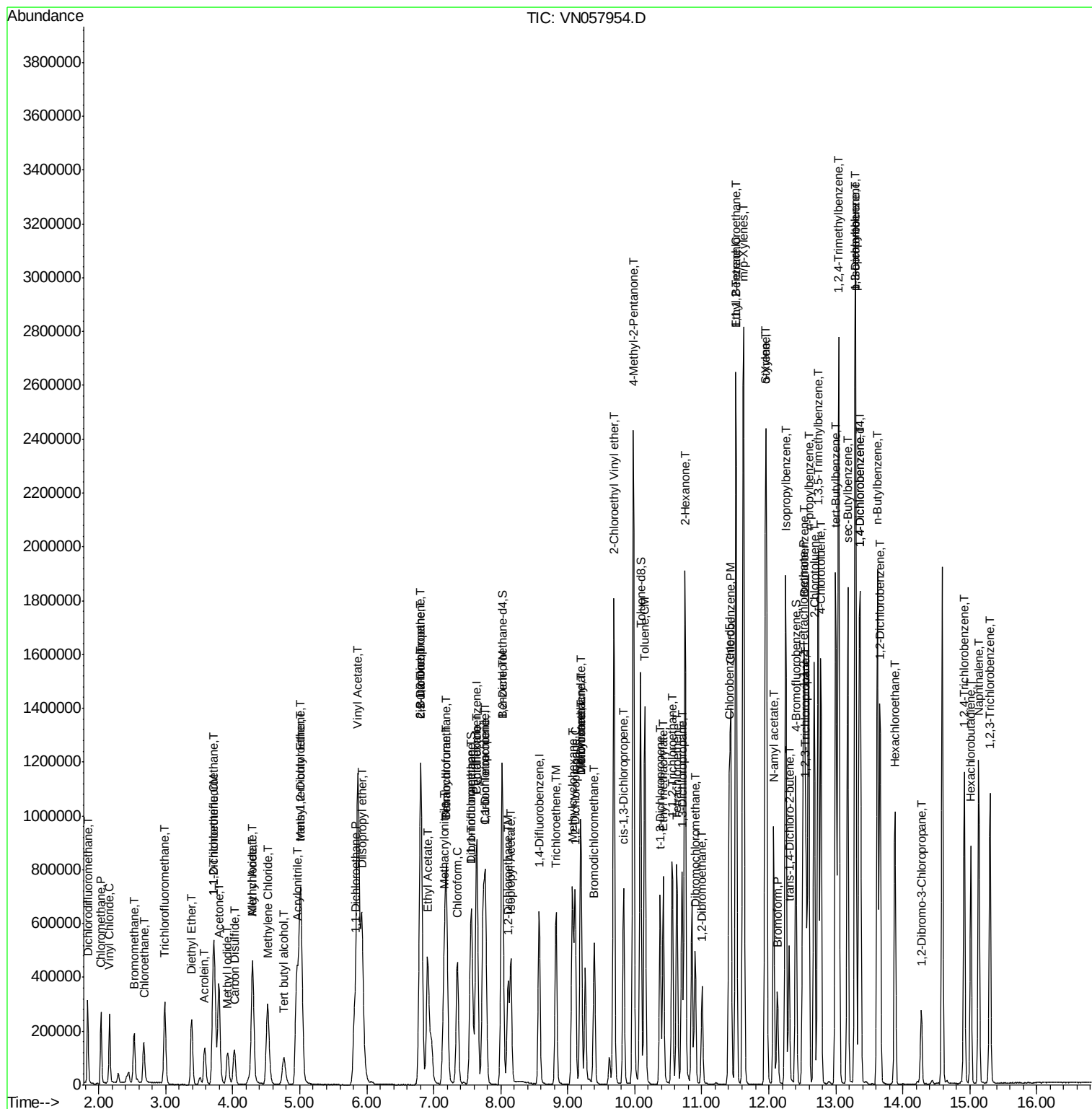
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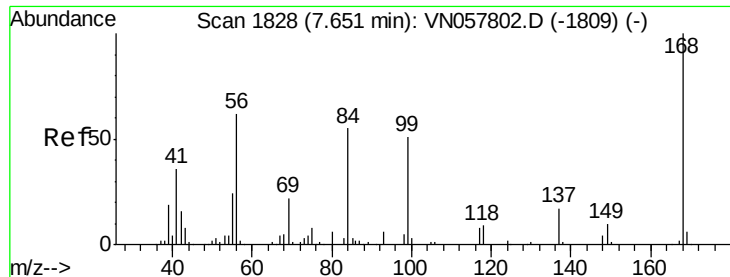
Instrument :
MSVOA_N
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Manual Integrations
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 348244

Ion Ratio Lower Upper

168 100

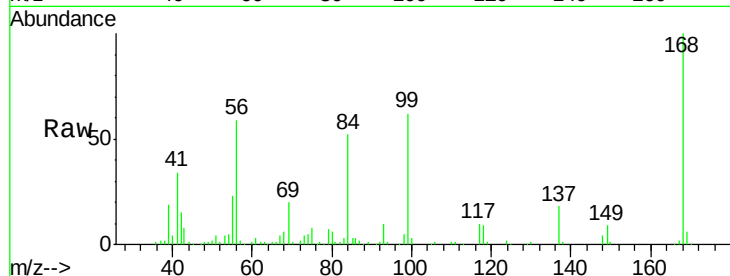
99 61.3 48.0 72.0

Manual Integrations

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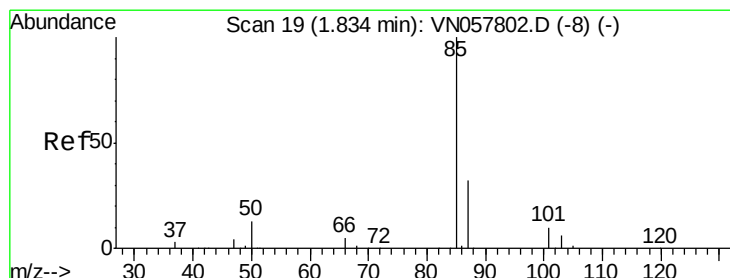
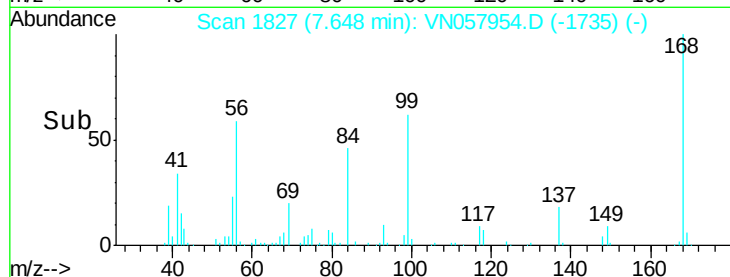
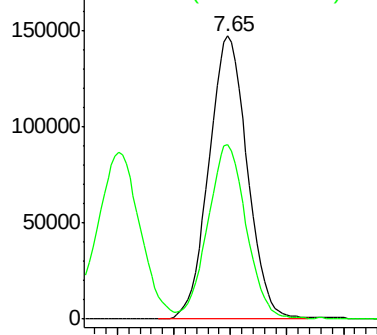
MMDadoda

9/13/2019 1:05:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.211 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN057954.D

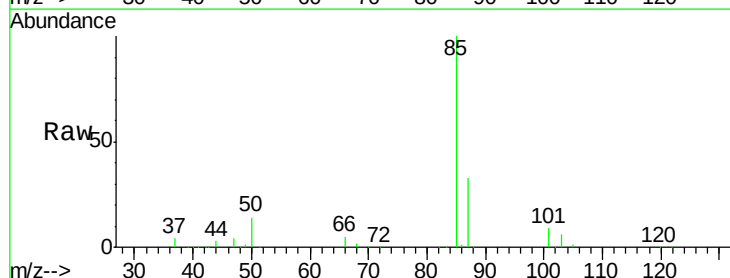
Acq: 12 Sep 2019 8:54

Tgt Ion: 85 Resp: 227374

Ion Ratio Lower Upper

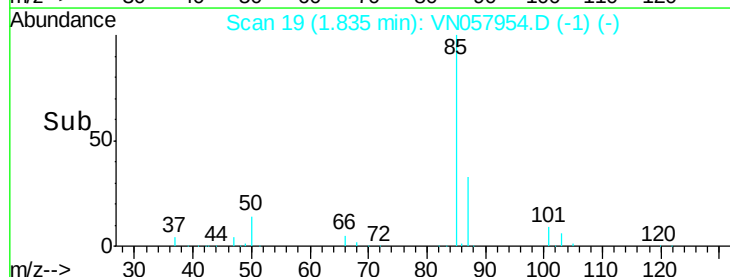
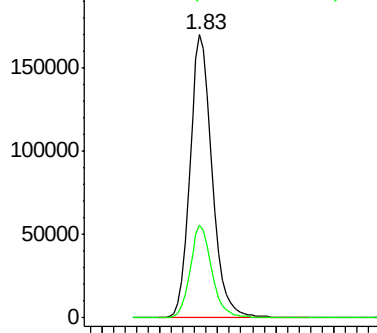
85 100

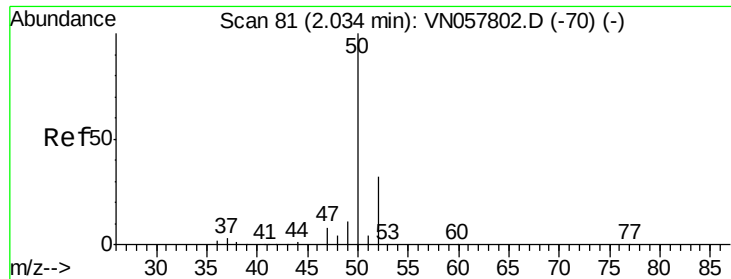
87 32.9 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 41.610 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tot Ion: 50 Resp: 204245

Ion Ratio Lower Upper

50 100

52 33.1 25.5 38.3

Instrument :

MSVOA_N

ClientSampleId :

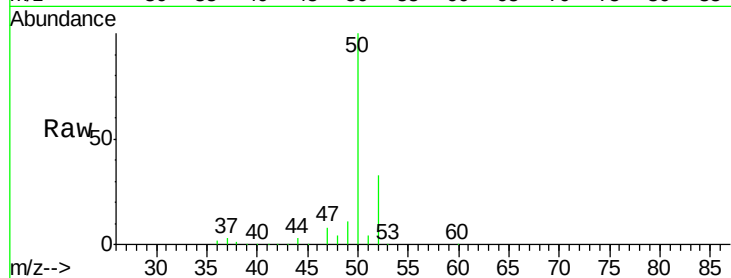
VSTDCCC050

Manual Integrations

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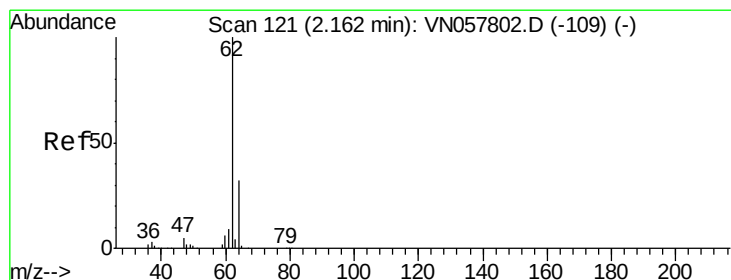
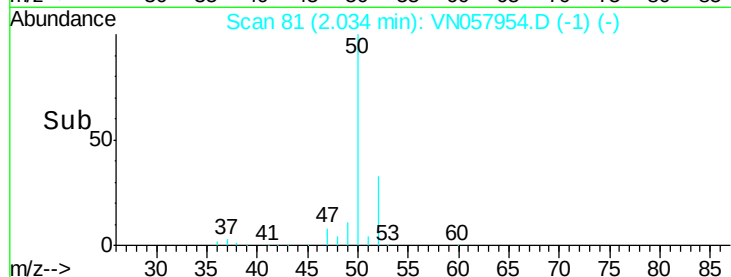
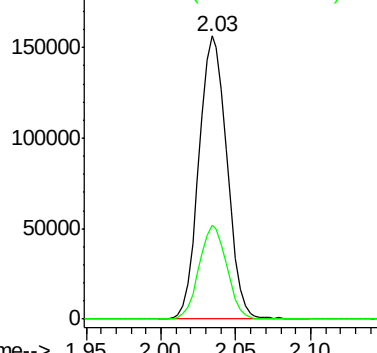
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 42.103 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN057954.D

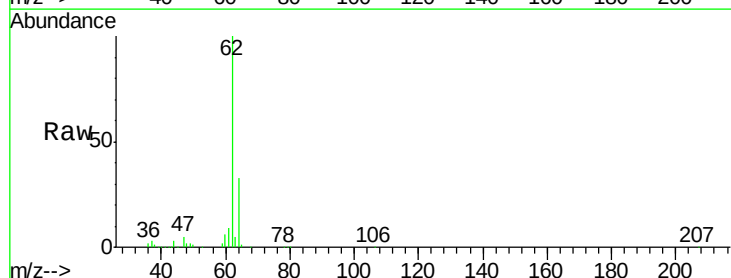
Acq: 12 Sep 2019 8:54

Tgt Ion: 62 Resp: 218729

Ion Ratio Lower Upper

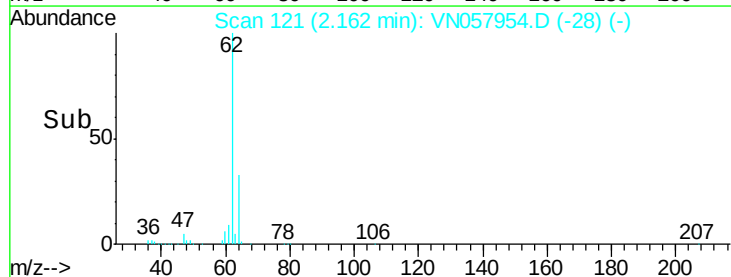
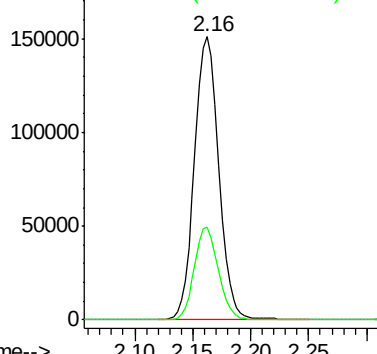
62 100

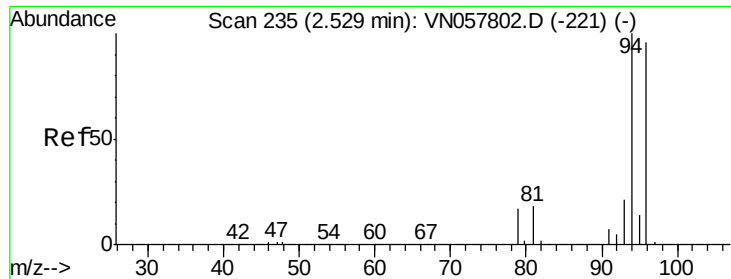
64 32.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 43.297 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 124188

Ion Ratio Lower Upper

94 100

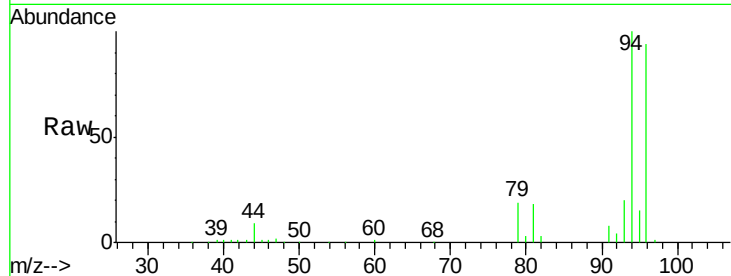
96 94.2 77.0 115.4

Manual Integrations

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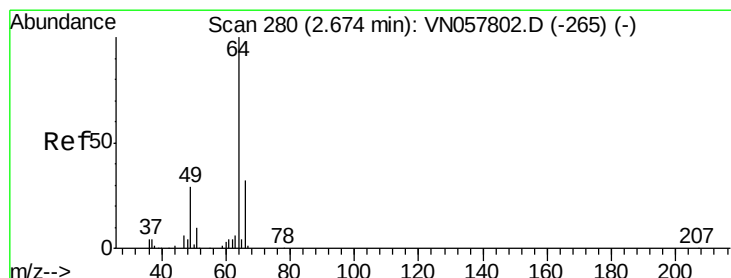
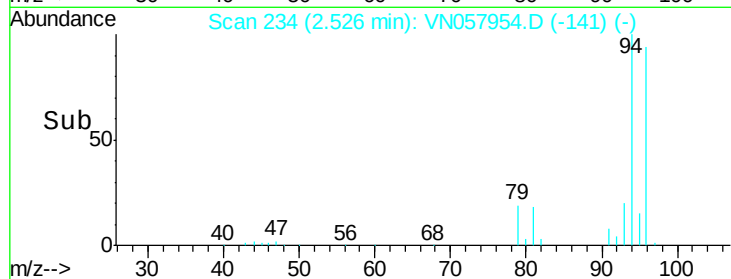
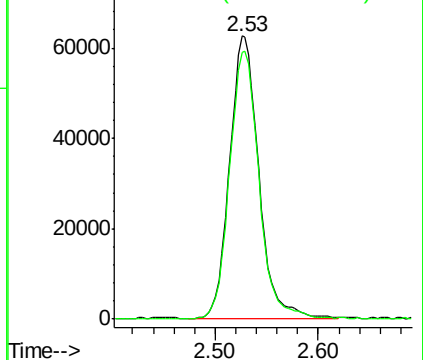
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 42.717 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN057954.D

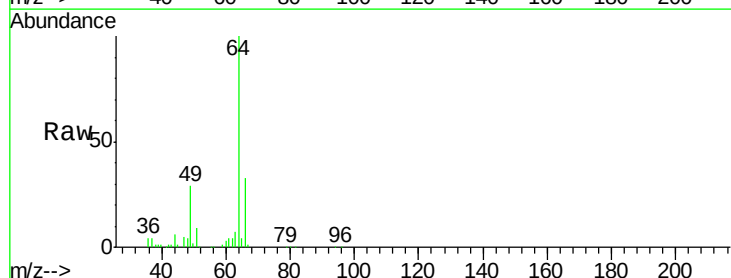
Acq: 12 Sep 2019 8:54

Tgt Ion: 64 Resp: 141412

Ion Ratio Lower Upper

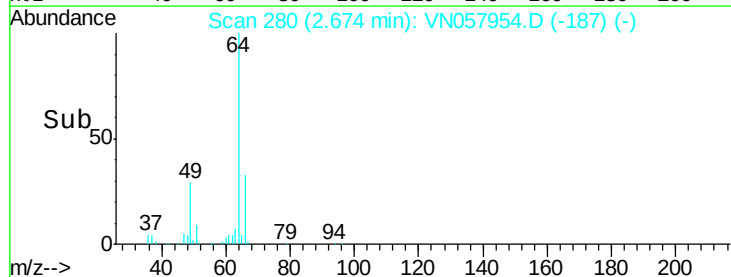
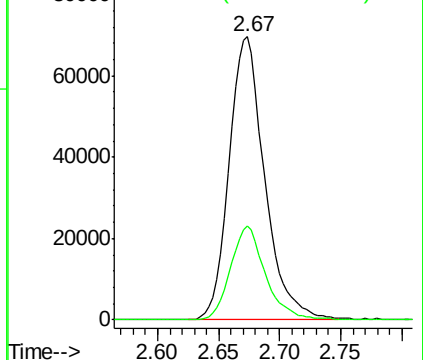
64 100

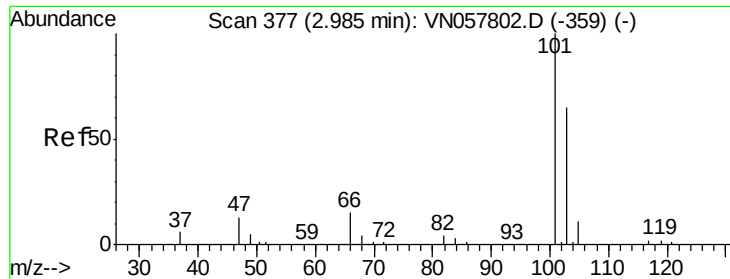
66 33.2 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

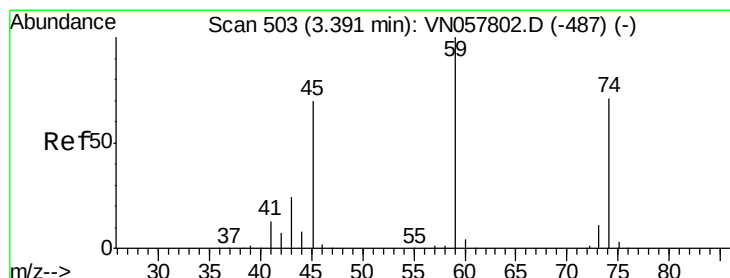
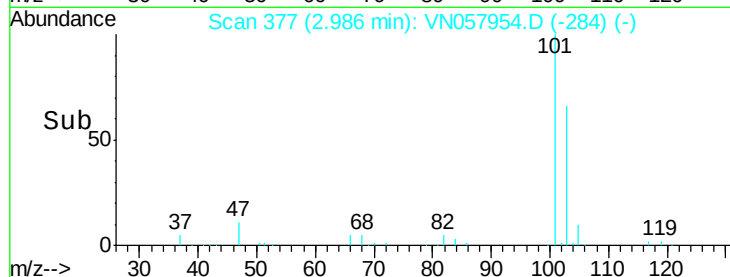
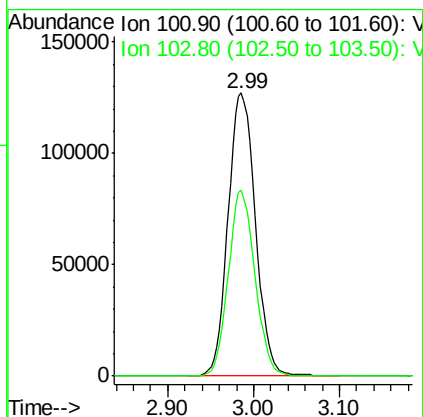
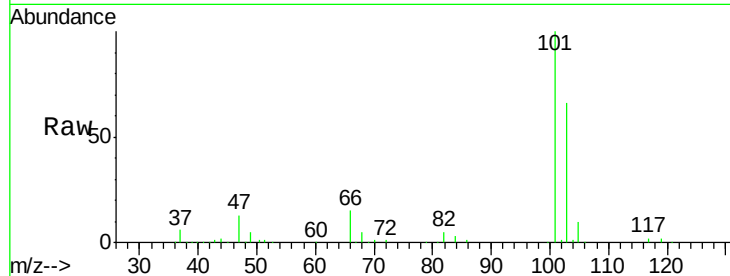
Trichlorofluoromethane
Concen: 43.002 ug/l
RT: 2.99 min Scan# 377
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	281134		
103	65.8	51.9	77.9	

Manual Integrations
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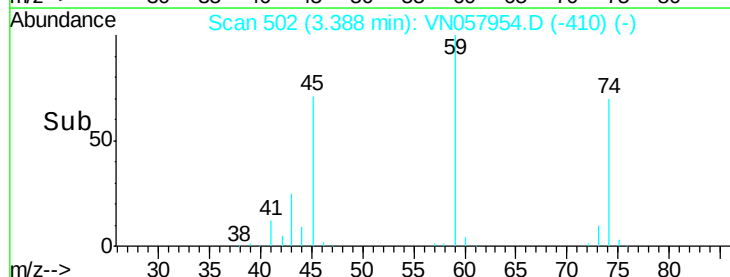
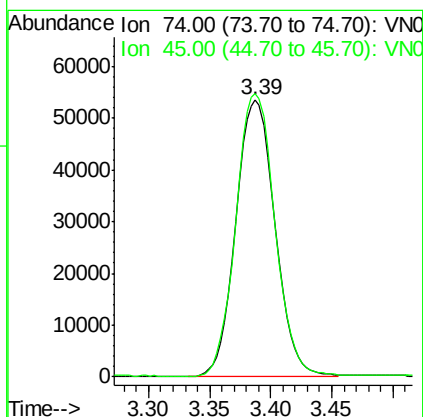
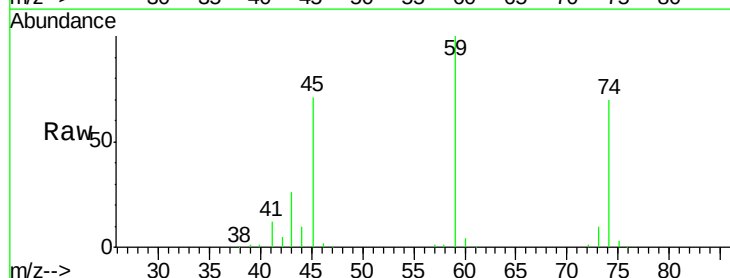
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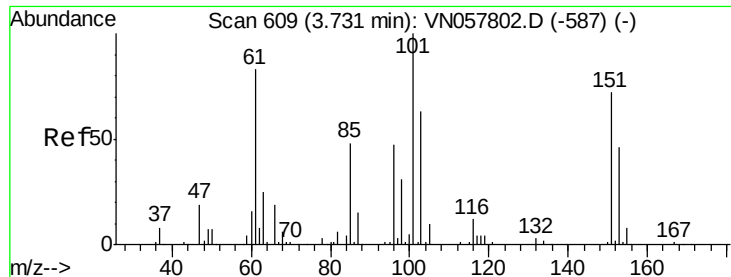


#8

Diethyl Ether
Concen: 43.805 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	119448		
45	101.8	50.3	151.0	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.681 ug/l

RT: 3.73 min Scan# 608

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

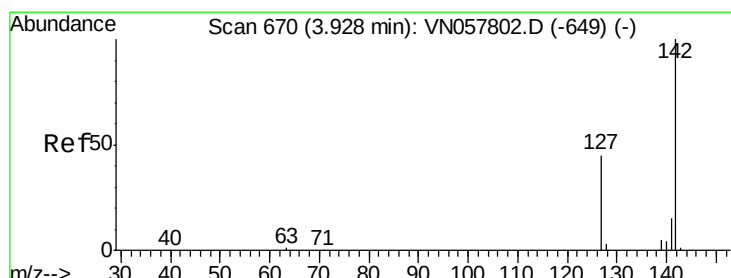
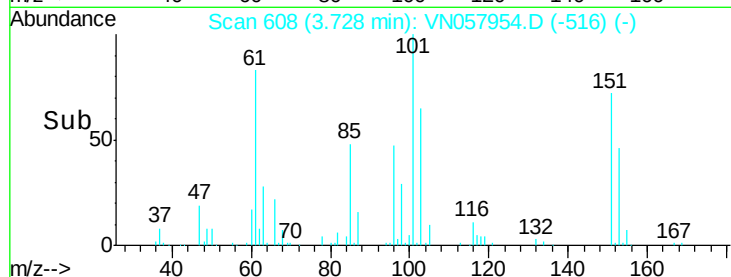
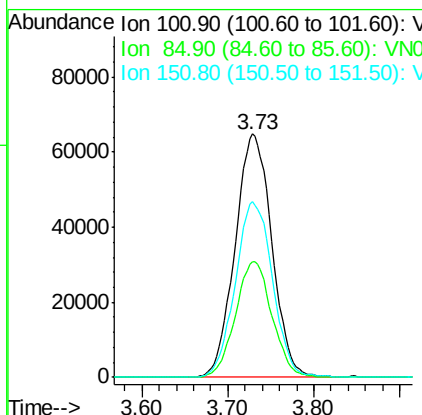
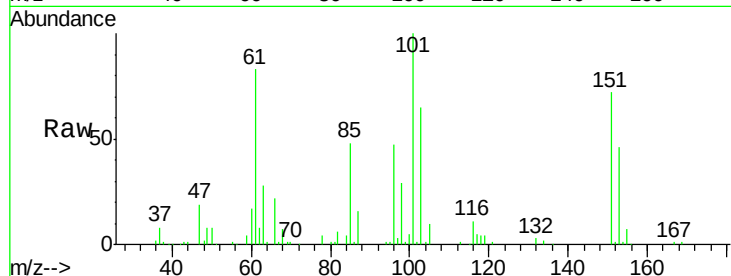
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	192522
Ion Ratio	Lower	Upper	
101	100		
85	47.1	38.1	57.1
151	73.1	58.4	87.6

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#10

Methyl Iodide

Concen: 41.249 ug/l

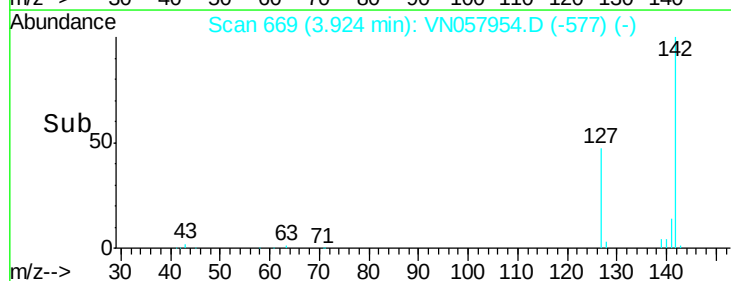
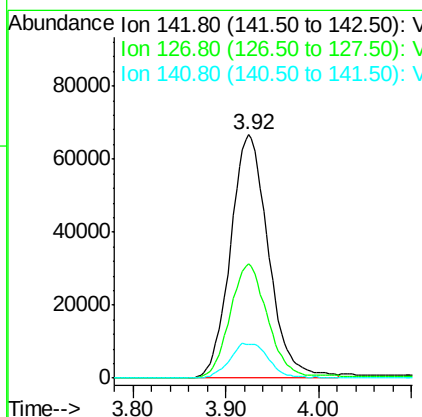
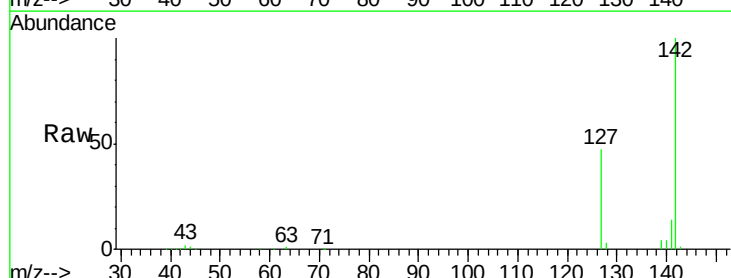
RT: 3.92 min Scan# 669

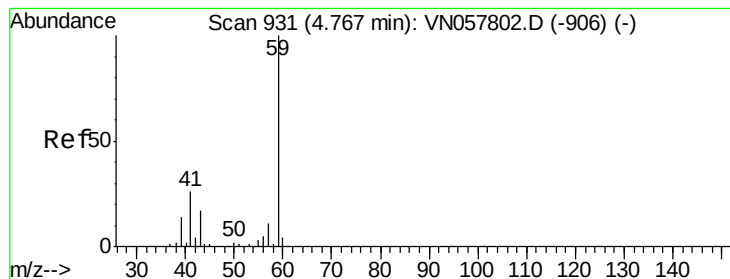
Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tgt Ion:	142	Resp:	189311
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.7	55.1
141	14.6	11.4	17.0





#11

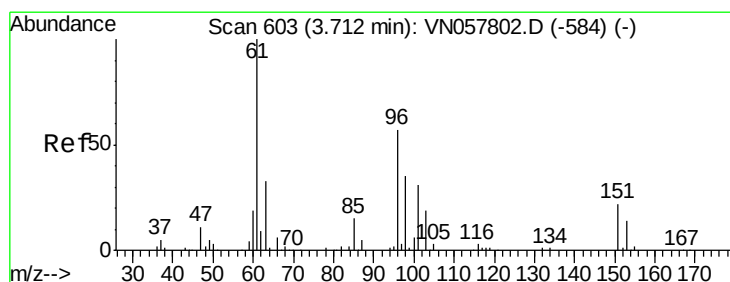
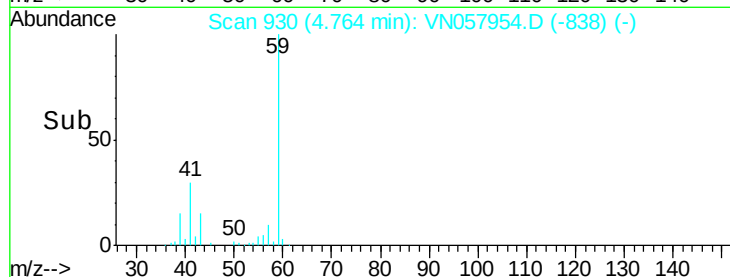
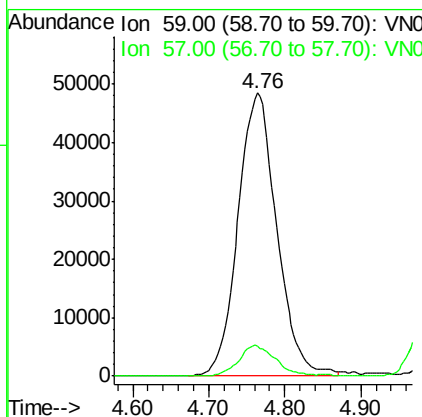
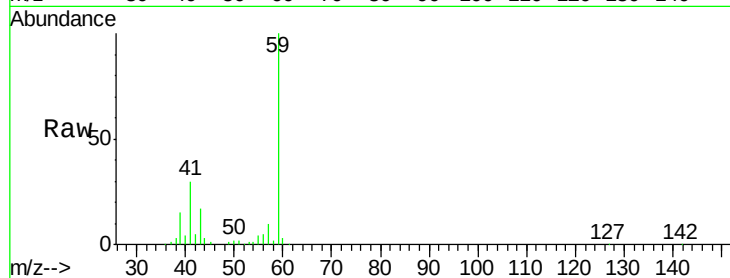
Tert butyl alcohol
 Concen: 201.970 ug/l
 RT: 4.76 min Scan# 930
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

Manual Integrations
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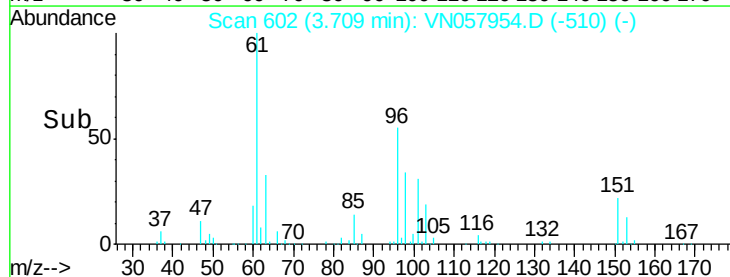
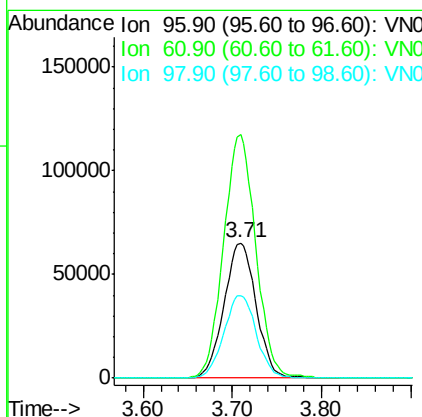
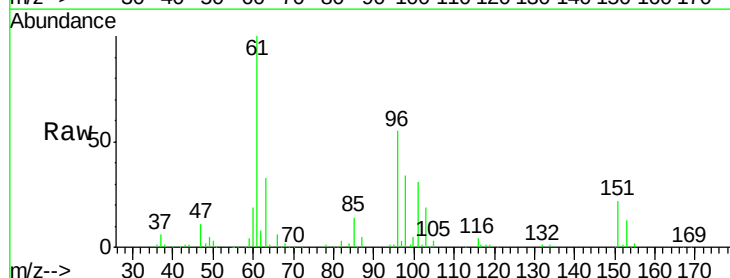
MMDadoda
 9/13/2019 1:05:26 PM

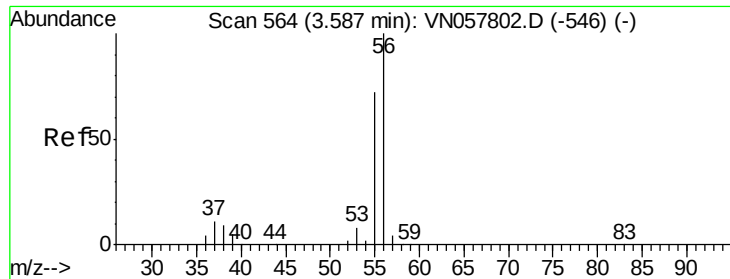


#12

1,1-Dichloroethene
 Concen: 43.846 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.6	141.2	211.8
98	60.7	49.9	74.9





#13

Acrolein

Concen: 203.920 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 147692

Ion Ratio Lower Upper

56 100

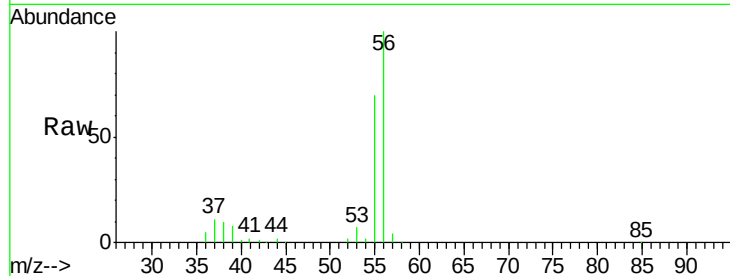
55 71.5 57.3 85.9

Manual Integrations

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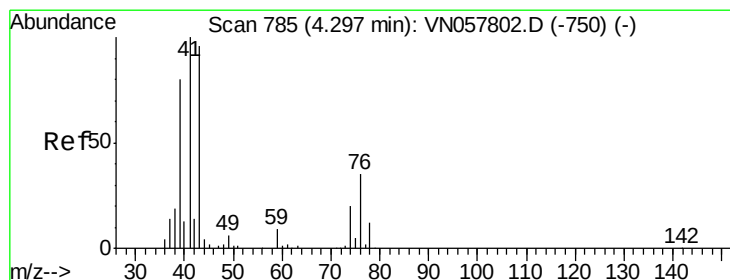
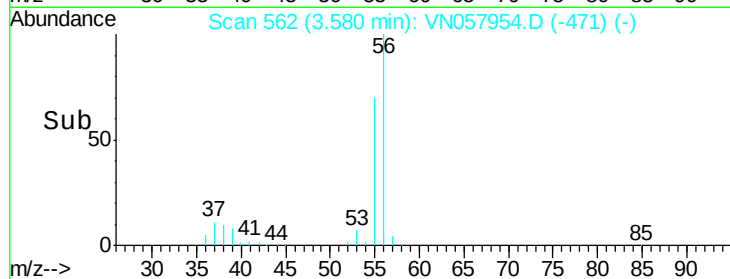
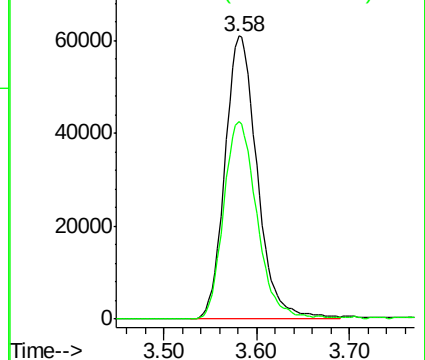
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 44.159 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

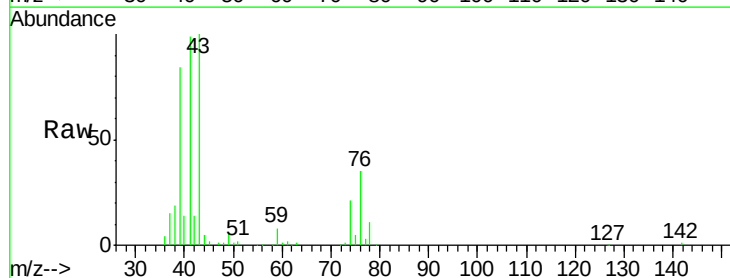
Tgt Ion: 41 Resp: 320461

Ion Ratio Lower Upper

41 100

39 76.5 59.4 89.2

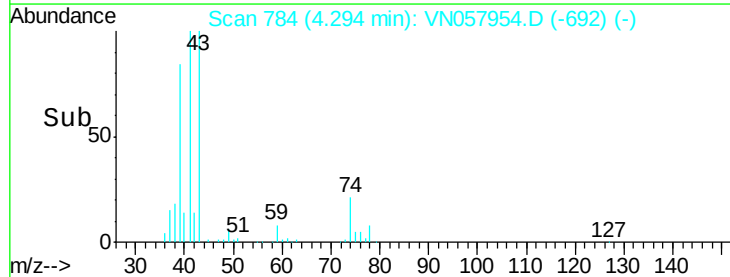
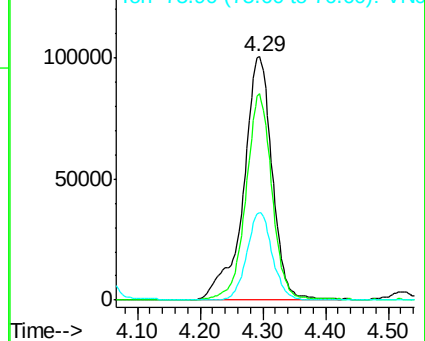
76 31.8 26.0 39.0

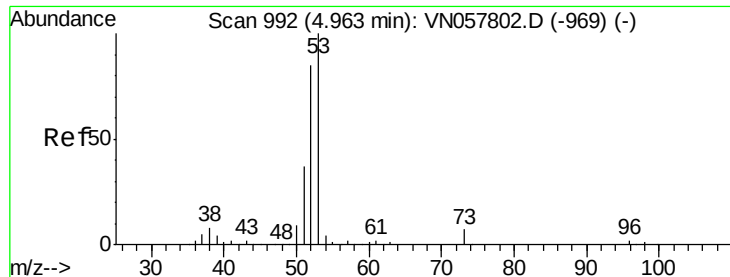


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





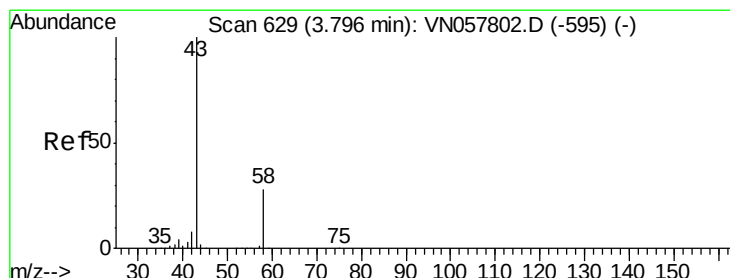
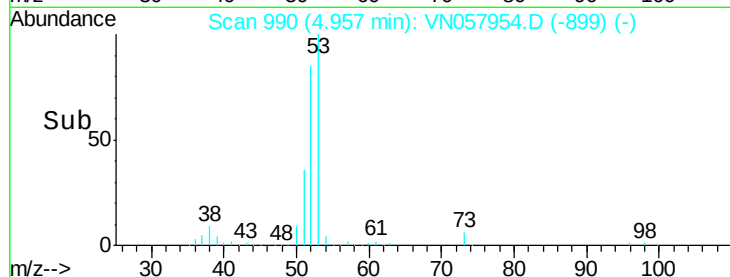
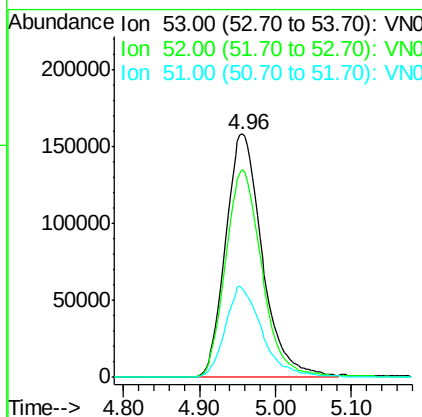
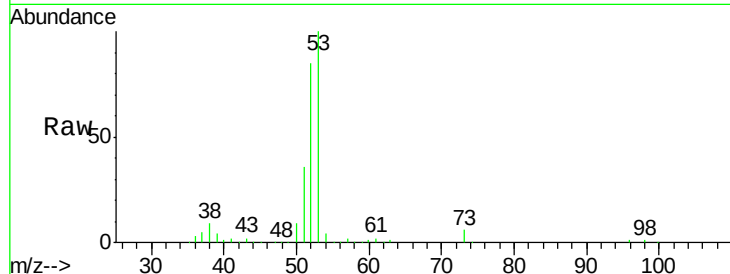
#15
 Acrylonitrile
 Concen: 226.439 ug/l
 RT: 4.96 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	53	Resp:	531325
Ion Ratio	Lower	Upper	
53	100		
52	84.7	66.6	100.0
51	37.9	29.8	44.8

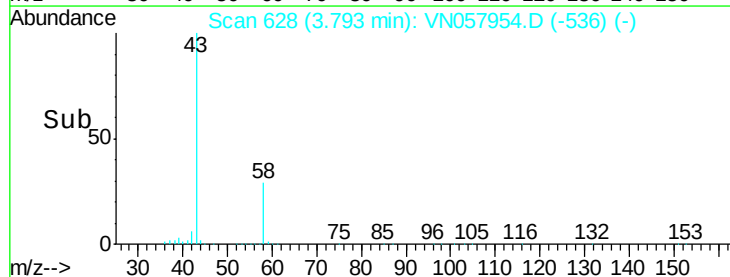
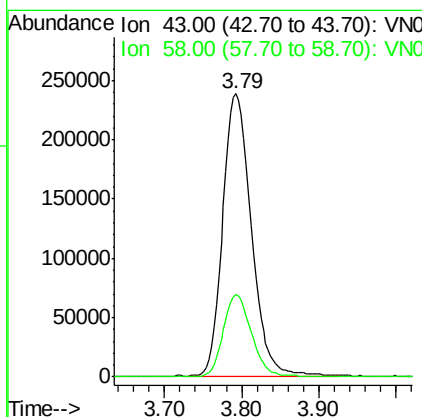
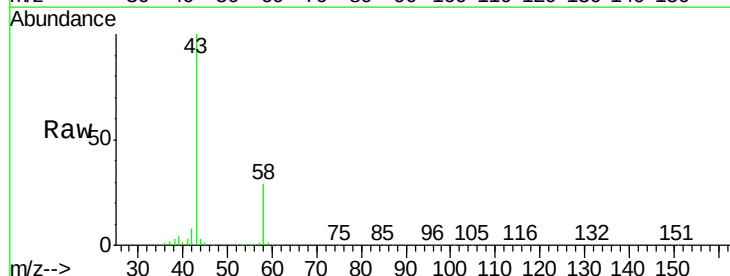
Manual Integrations
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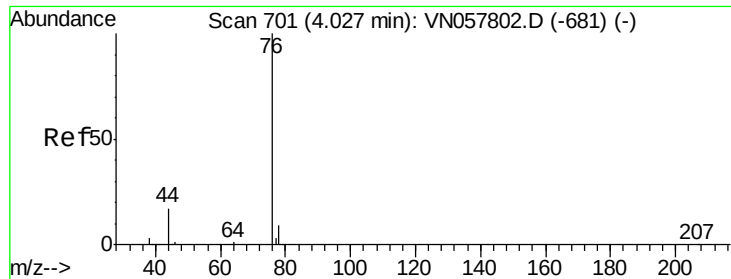
MMDadoda
 9/13/2019 1:05:26 PM



#16
 Acetone
 Concen: 263.126 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion:	43	Resp:	608409
Ion Ratio	Lower	Upper	
43	100		
58	29.0	22.2	33.2





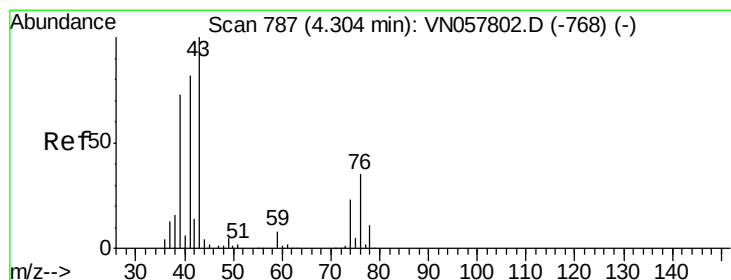
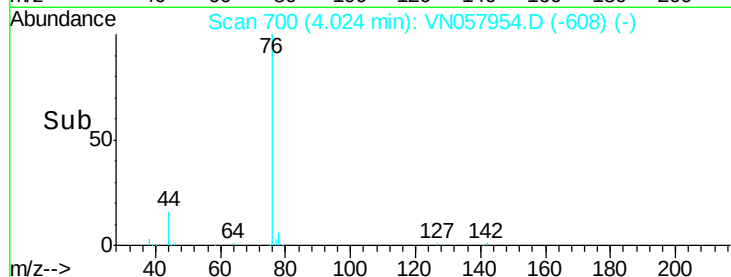
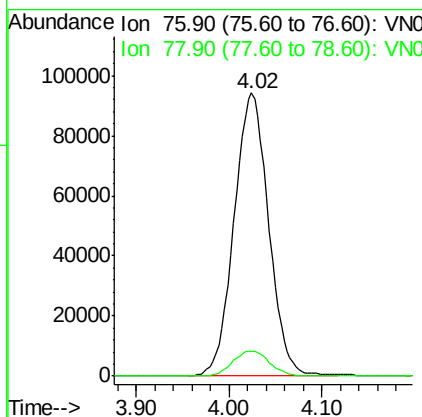
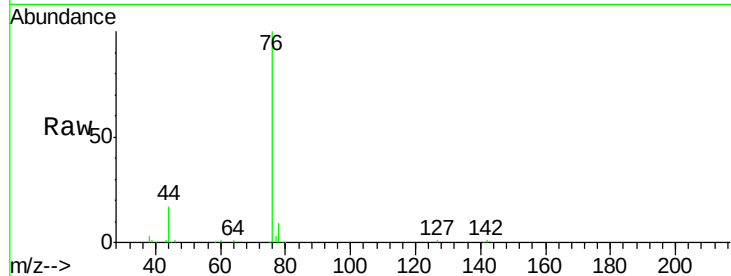
#17
Carbon Disulfide
Concen: 42.318 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

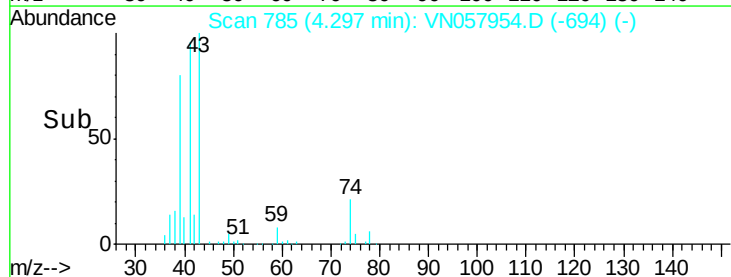
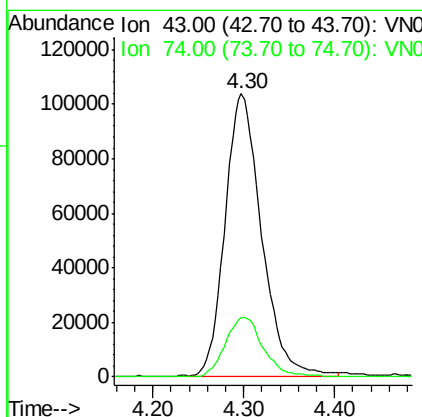
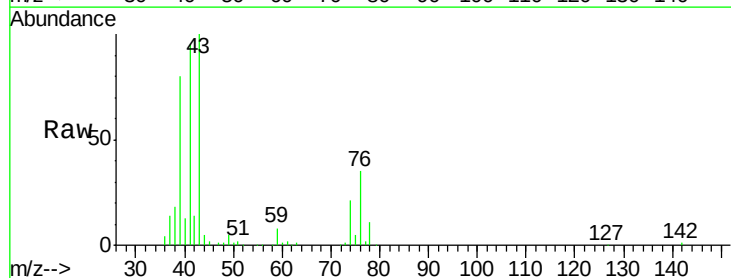
Manual Integrations
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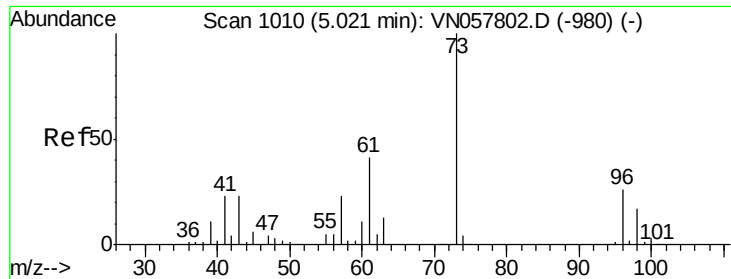
MMDadoda
9/13/2019 1:05:26 PM



#18
Methyl Acetate
Concen: 46.490 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.01 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.2	17.9	26.9





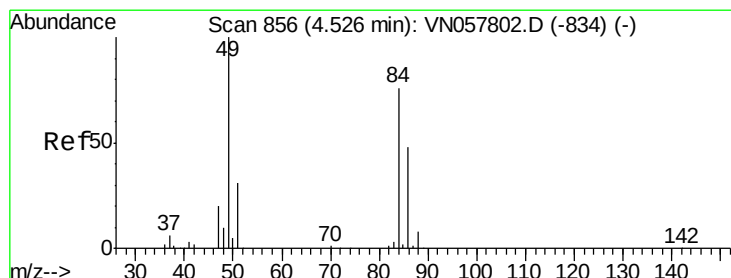
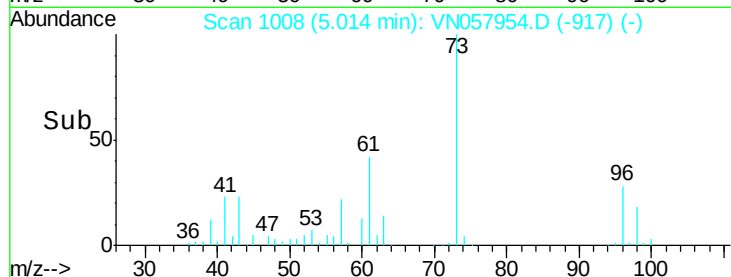
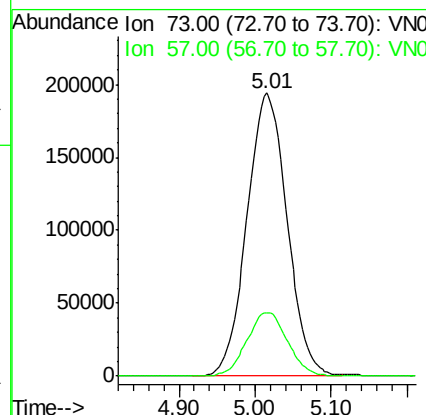
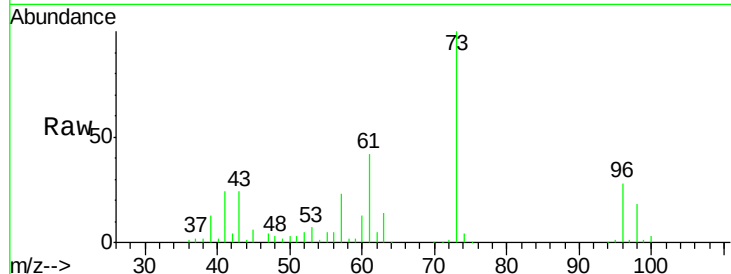
#19
Methyl tert-butyl Ether
Concen: 46.273 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.01 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 714095
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.2

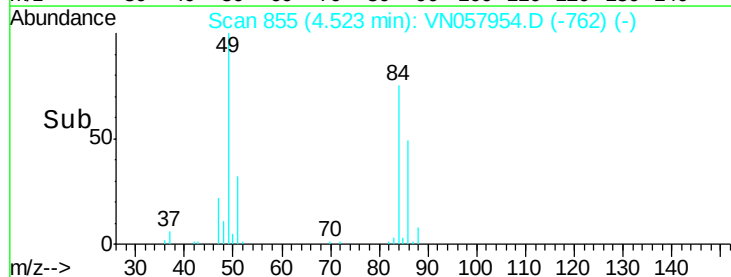
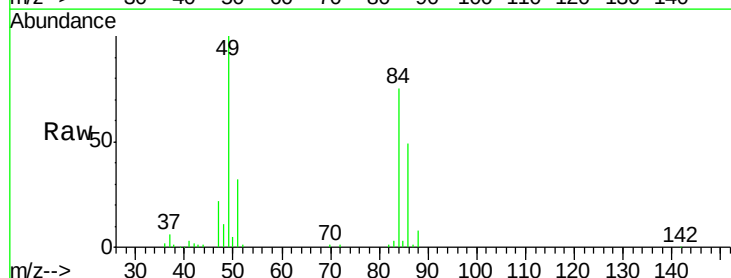
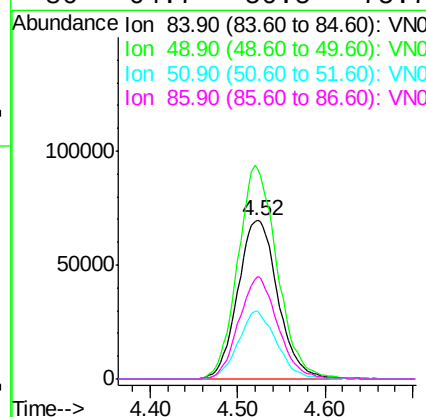
Manual Integrations
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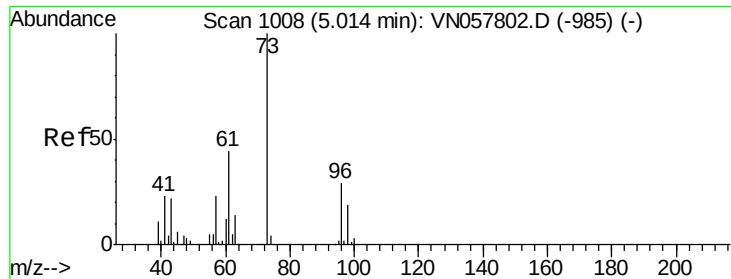
MMDadoda
9/13/2019 1:05:26 PM



#20
Methylene Chloride
Concen: 50.319 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion: 84 Resp: 221462
Ion Ratio Lower Upper
84 100
49 132.8 104.8 157.2
51 42.8 33.0 49.4
86 64.7 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 44.658 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

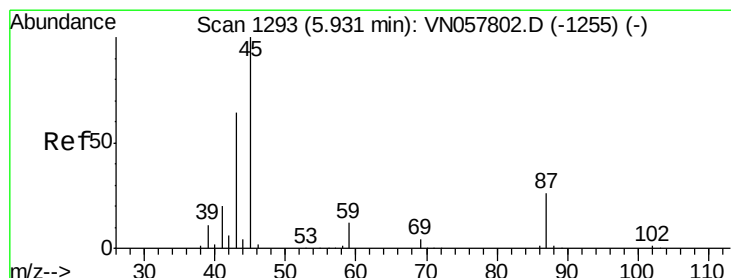
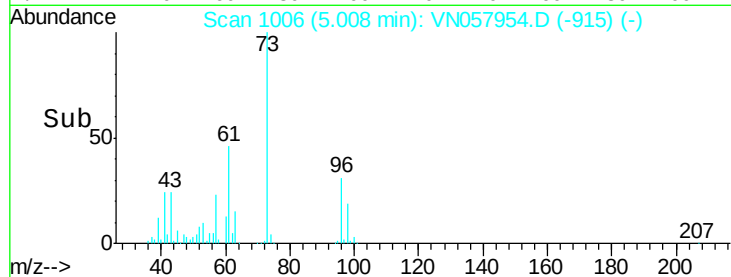
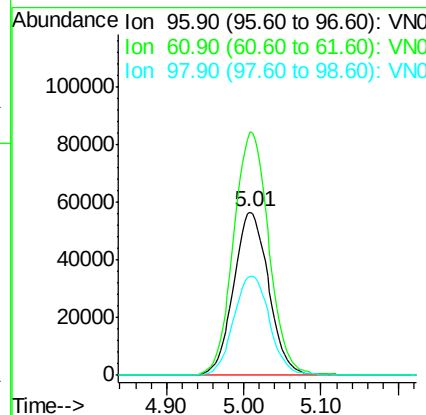
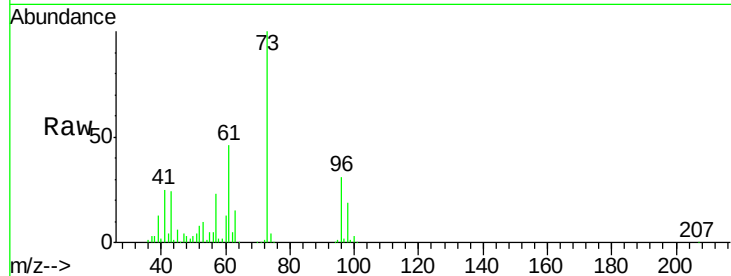
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	179015
Ion	Ratio	Lower	Upper
96	100		
61	148.7	121.9	182.9
98	60.7	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.470 ug/l

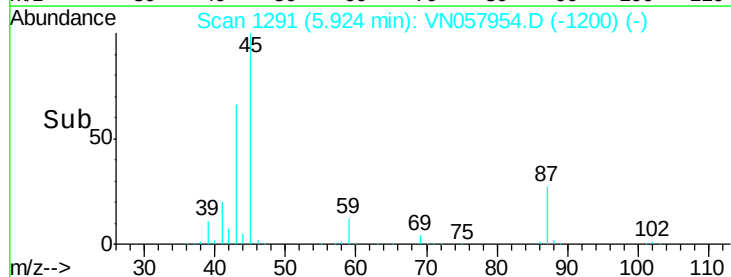
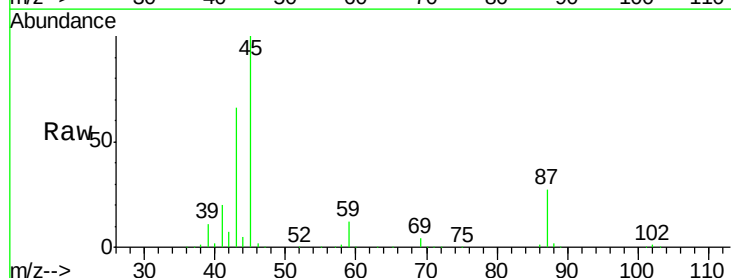
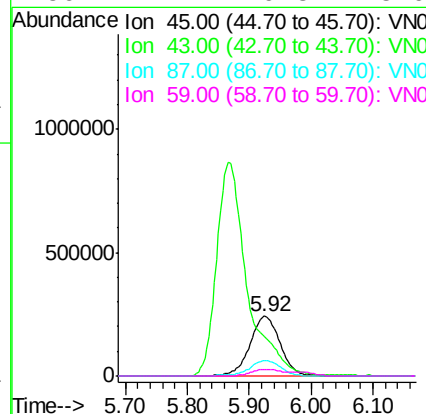
RT: 5.92 min Scan# 1291

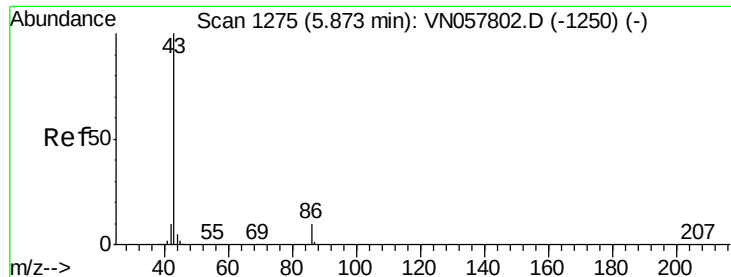
Delta R.T. -0.01 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tgt Ion:	45	Resp:	824873
Ion	Ratio	Lower	Upper
45	100		
43	64.7	51.4	77.2
87	26.6	21.3	31.9
59	11.2	9.3	13.9





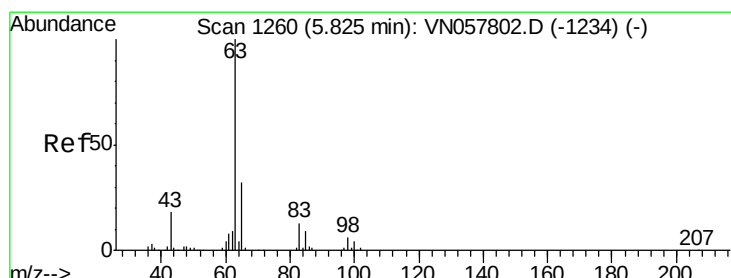
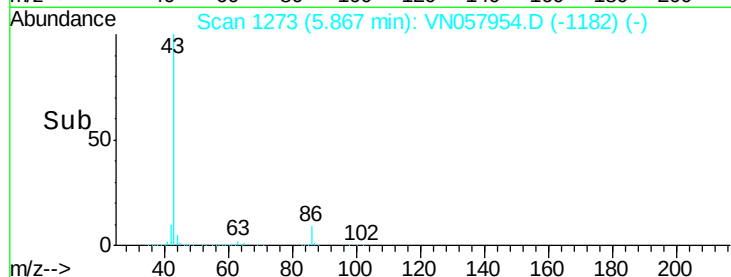
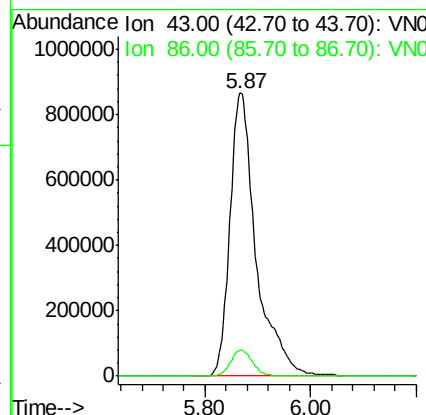
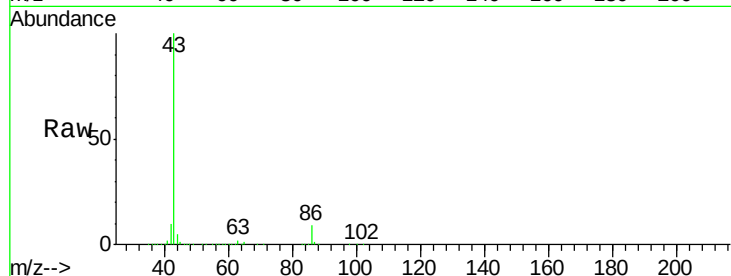
#23
 Vinyl Acetate
 Concen: 247.239 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 2981901
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.7 11.5

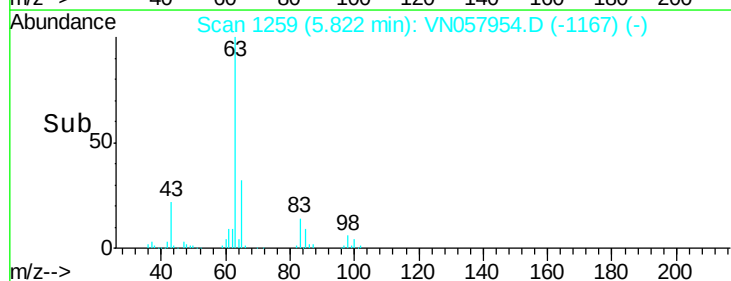
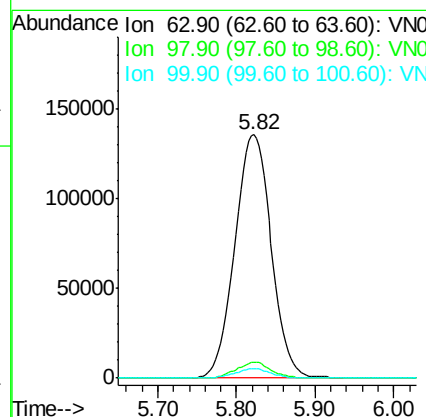
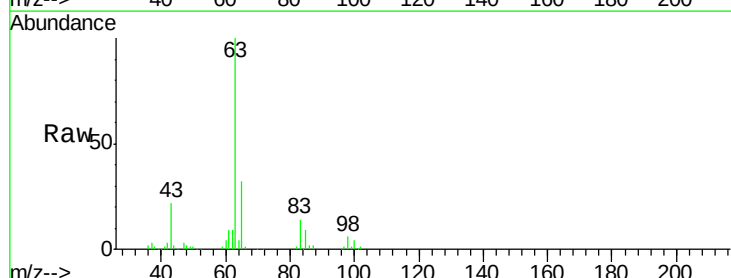
Manual Integrations
 APPROVED

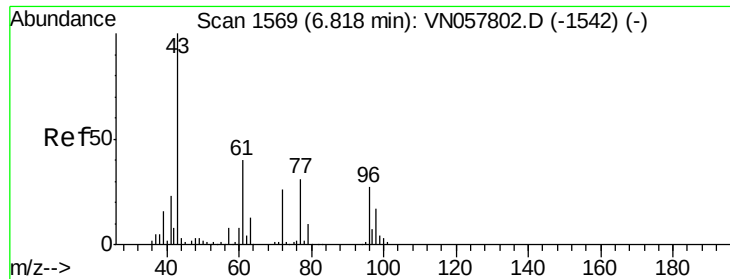
MMDadoda
 9/13/2019 1:05:26 PM



#24
 1,1-Dichloroethane
 Concen: 47.235 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion: 63 Resp: 439326
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.0 9.2
 100 3.7 2.0 5.8





#25

2-Butanone

Concen: 243.221 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.01 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 813967

Ion Ratio Lower Upper

43 100

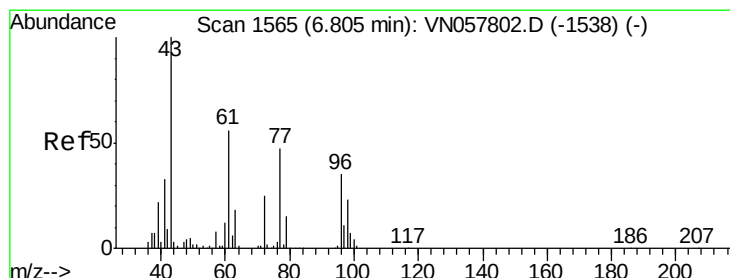
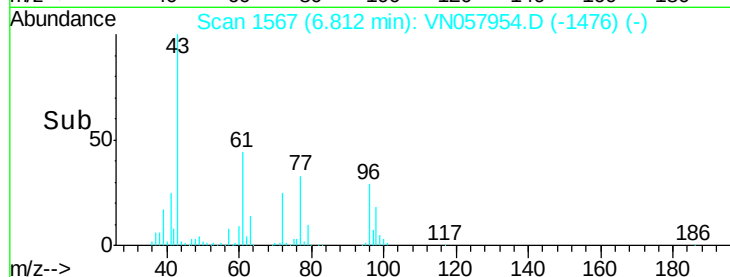
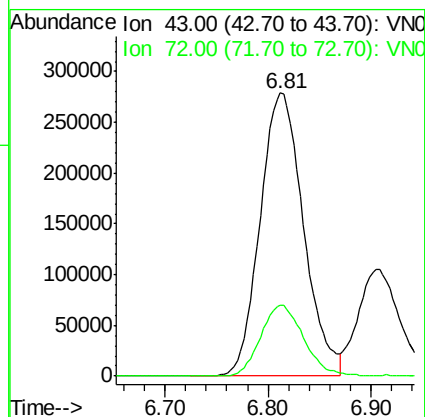
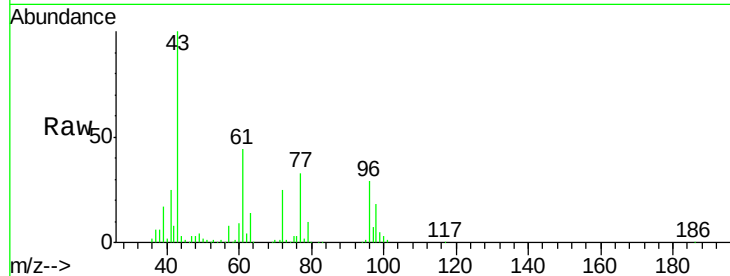
72 25.3 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

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#26

2,2-Dichloropropane

Concen: 47.343 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN057954.D

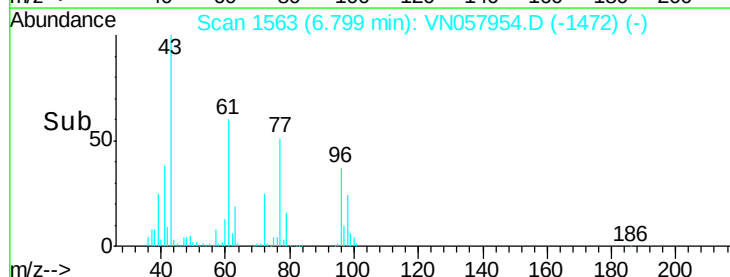
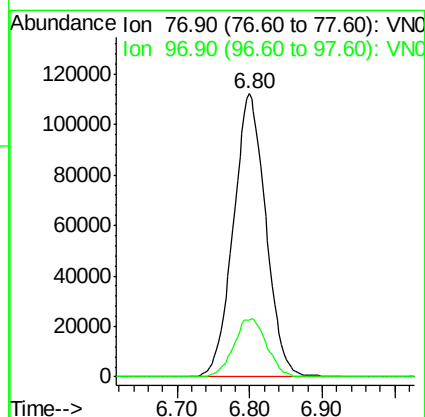
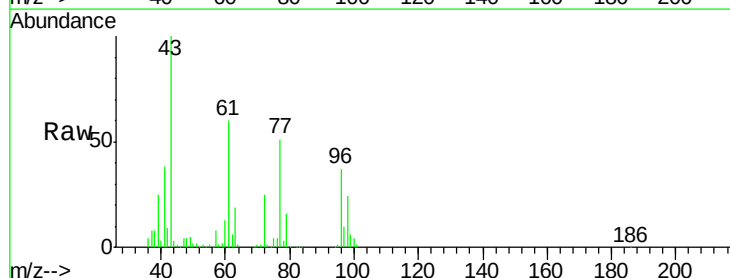
Acq: 12 Sep 2019 8:54

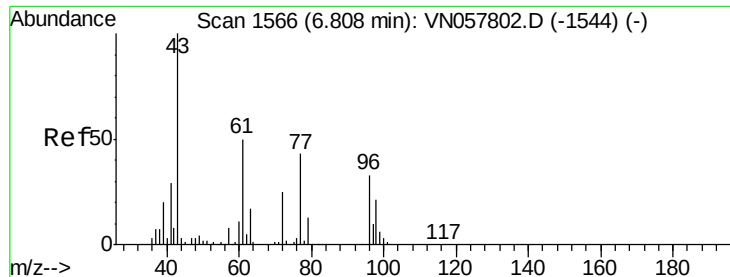
Tgt Ion: 77 Resp: 348467

Ion Ratio Lower Upper

77 100

97 21.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 46.431 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

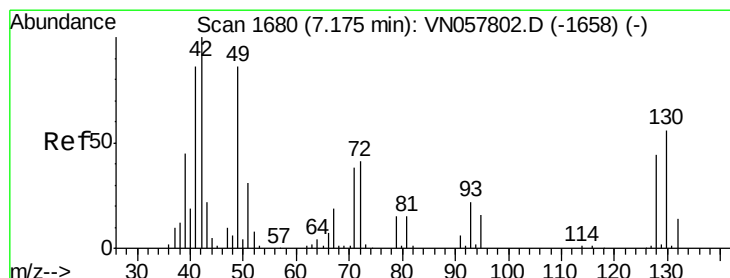
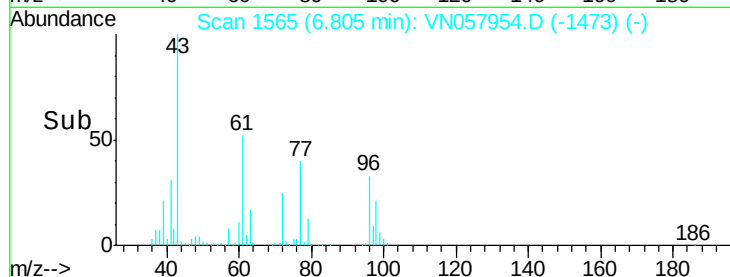
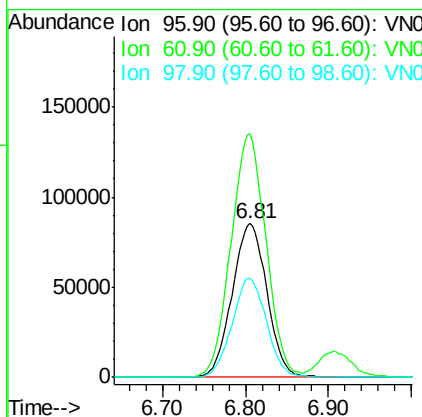
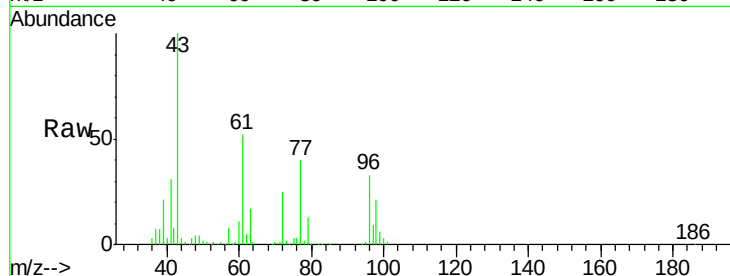
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	249427
Ion Ratio	Lower	Upper	
96	100		
61	158.9	0.0	314.0
98	63.9	0.0	128.6

Manual Integrations
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#28

Bromochloromethane

Concen: 50.219 ug/l

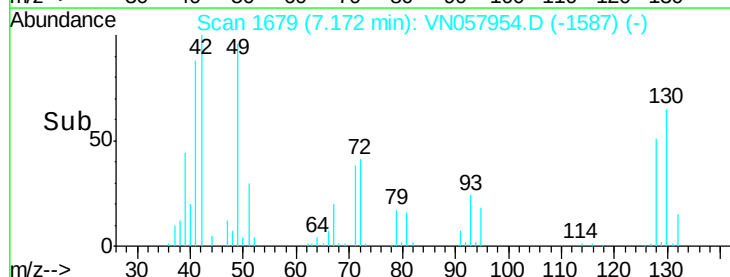
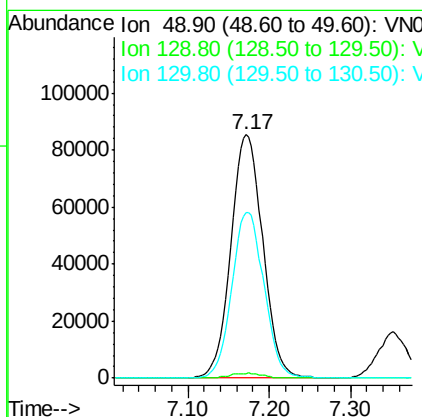
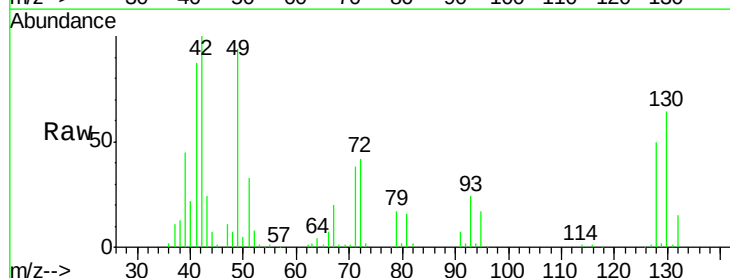
RT: 7.17 min Scan# 1679

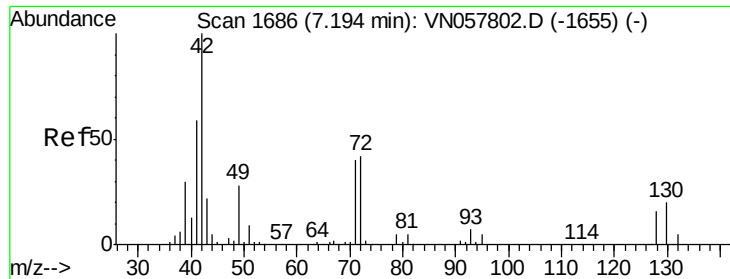
Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tgt Ion:	49	Resp:	233347
Ion Ratio	Lower	Upper	
49	100		
129	2.0	0.0	3.8
130	68.1	53.0	79.6





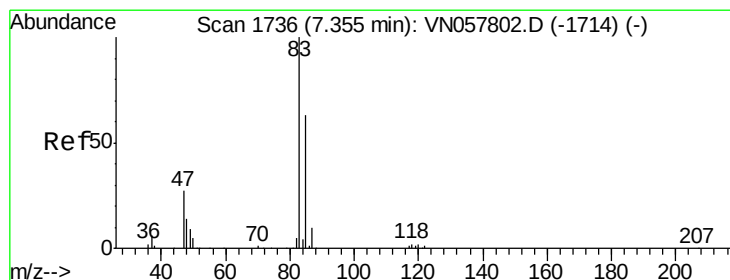
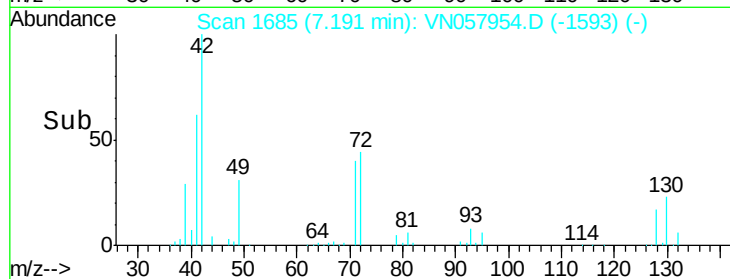
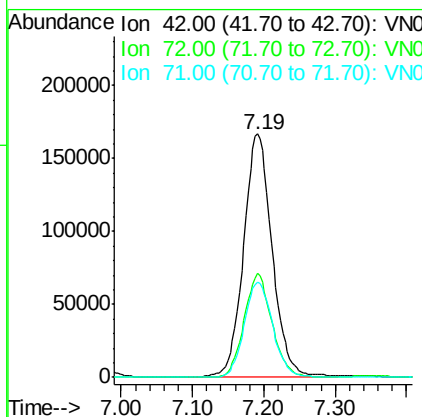
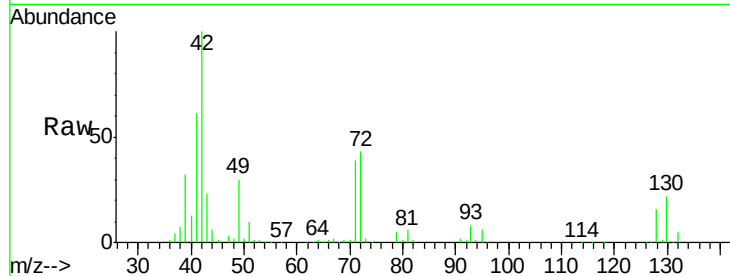
#29
Tetrahydrofuran
Concen: 224.602 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.1	31.9	47.9

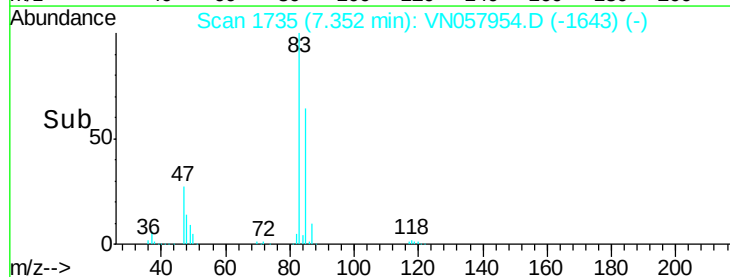
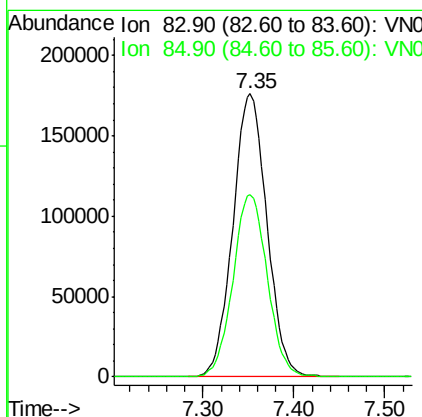
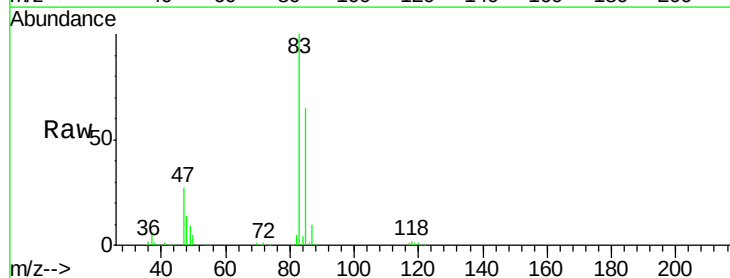
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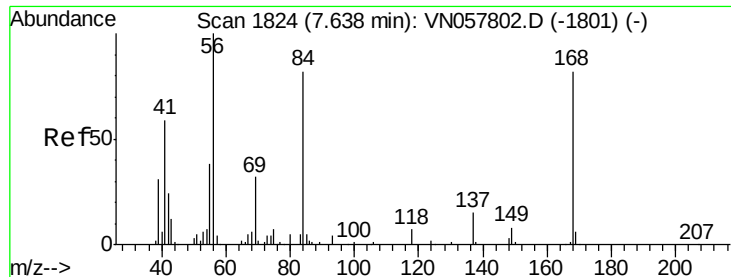
MMDadoda
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#30
Chloroform
Concen: 47.090 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	50.6	75.8





#31

Cyclohexane

Concen: 49.019 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

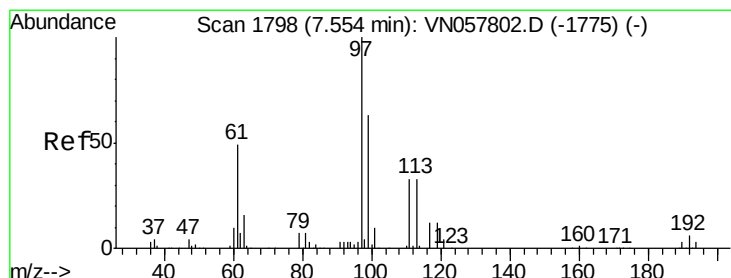
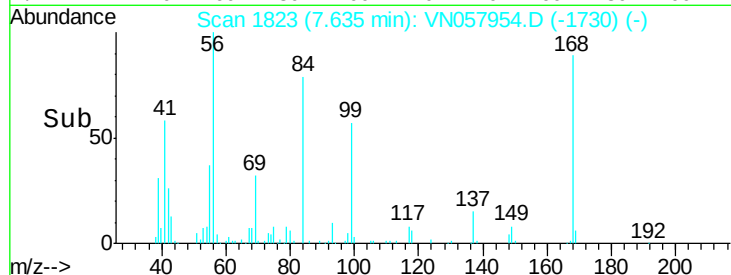
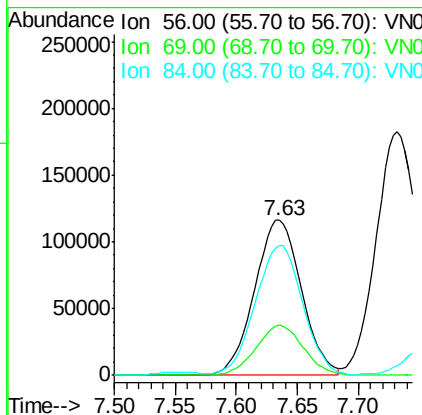
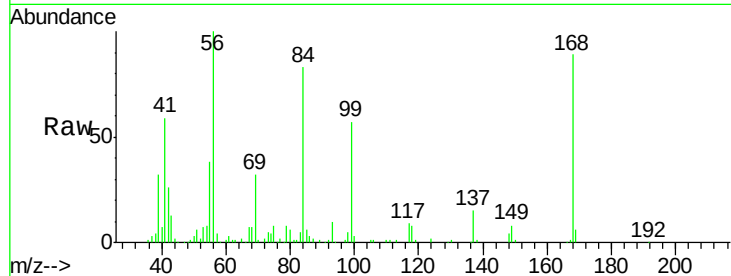
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	310968
Ion Ratio	Lower	Upper	
56	100		
69	32.2	25.9	38.9
84	81.3	65.6	98.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 46.766 ug/l

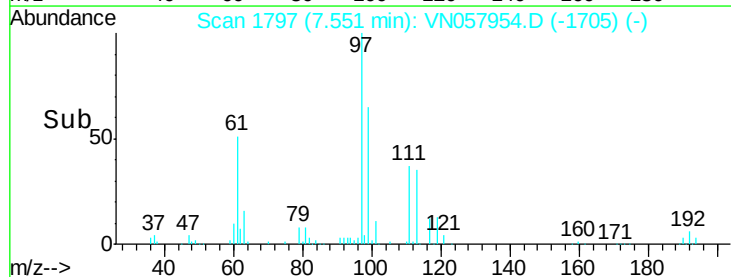
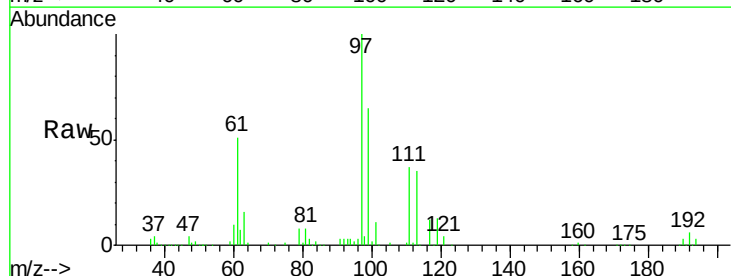
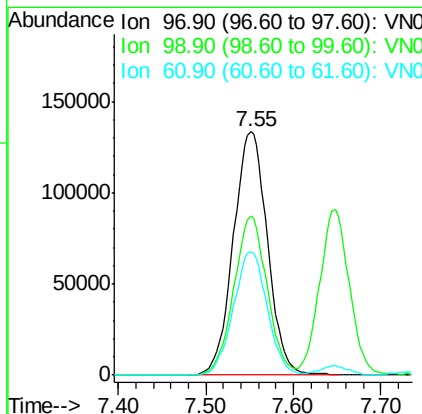
RT: 7.55 min Scan# 1797

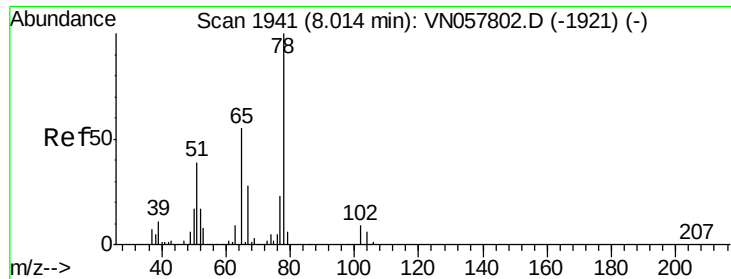
Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tgt Ion:	97	Resp:	360702
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.0	76.4
61	50.5	39.0	58.6





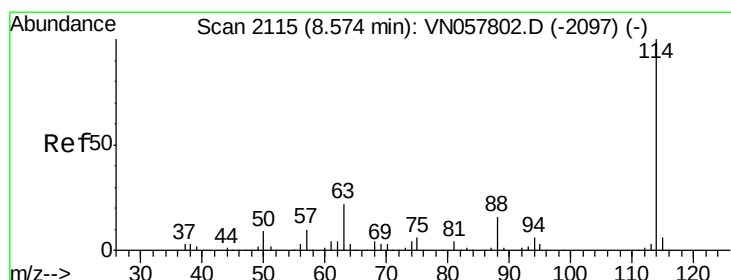
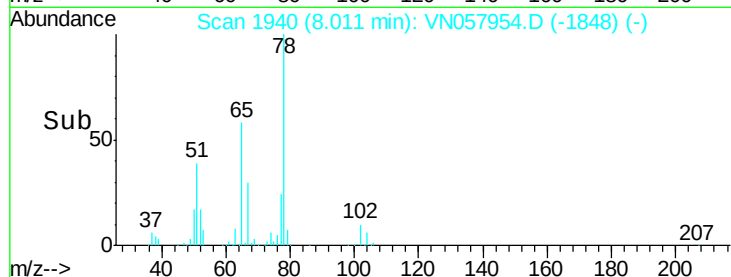
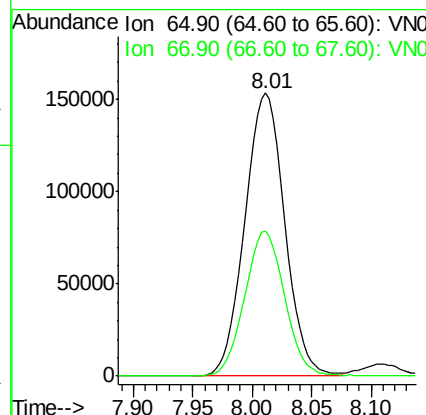
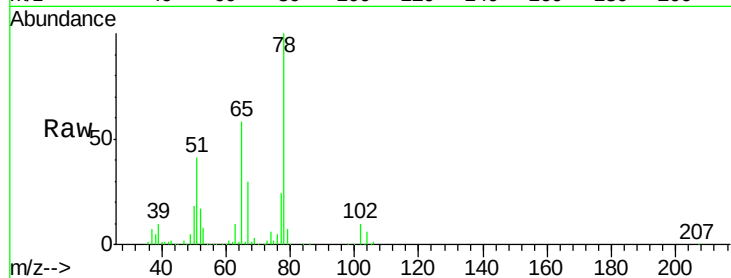
#33
 1,2-Dichloroethane-d4
 Concen: 50.635 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	357146		
67	51.1	0.0	104.0	

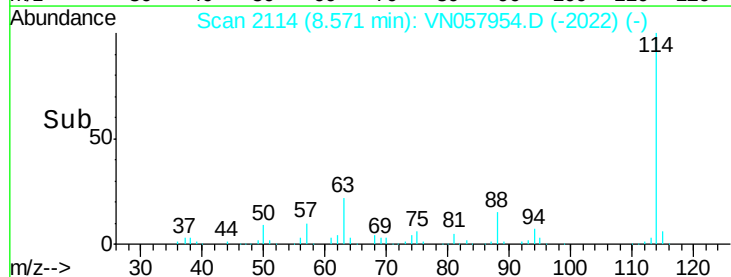
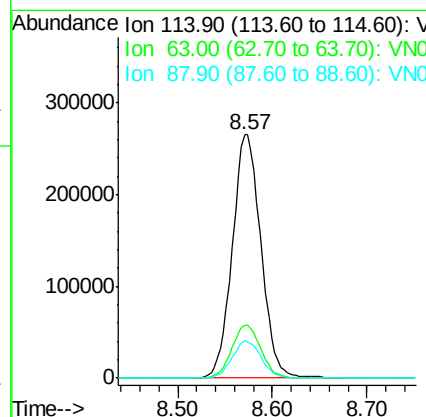
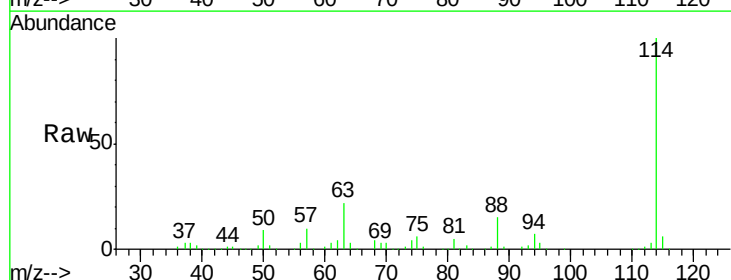
Manual Integrations
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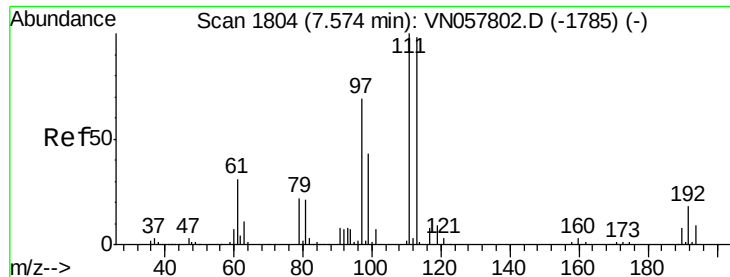
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 9/13/2019 1:05:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	558017		
63	22.0	0.0	44.0	
88	15.2	0.0	31.4	





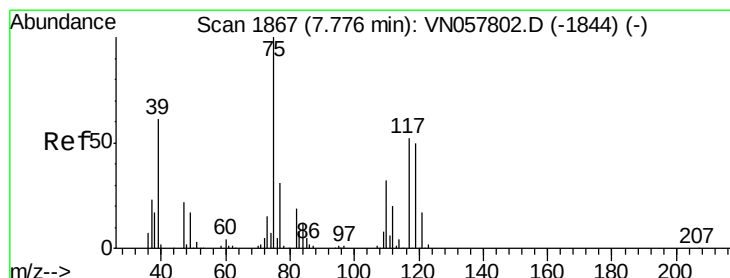
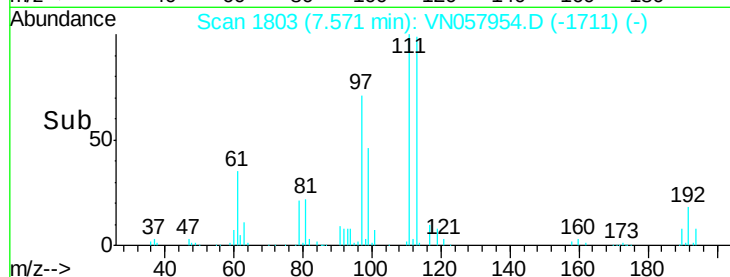
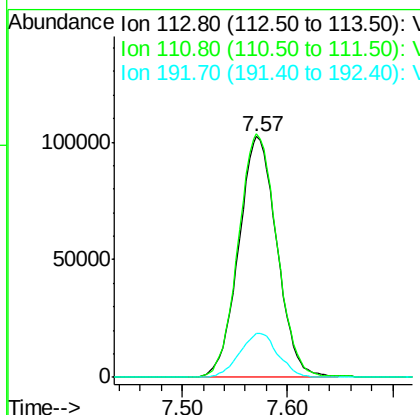
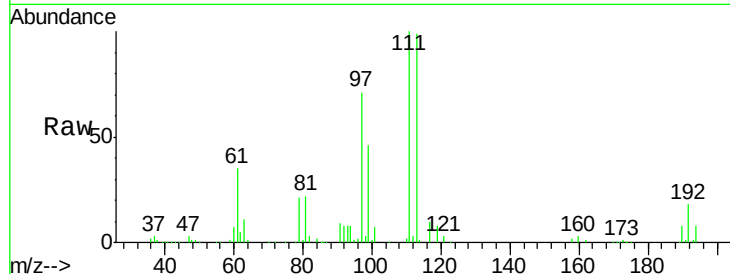
#35
Dibromofluoromethane
Concen: 50.001 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	257521		
111	102.1	81.3	121.9	
192	18.4	14.6	22.0	

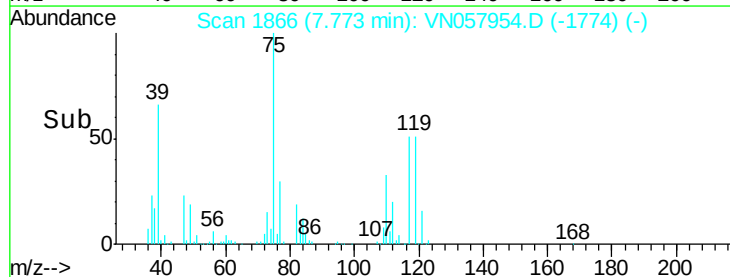
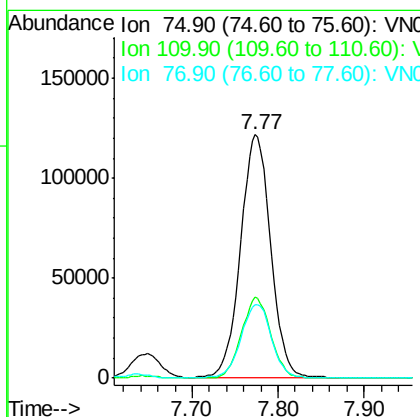
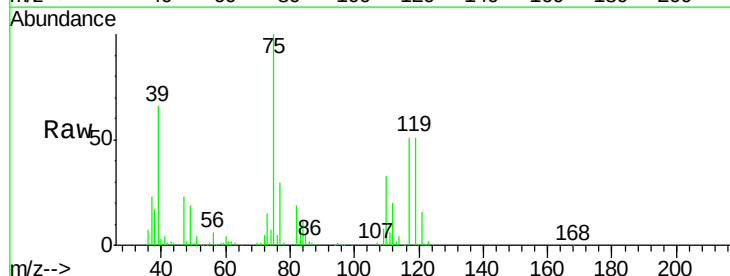
Manual Integrations
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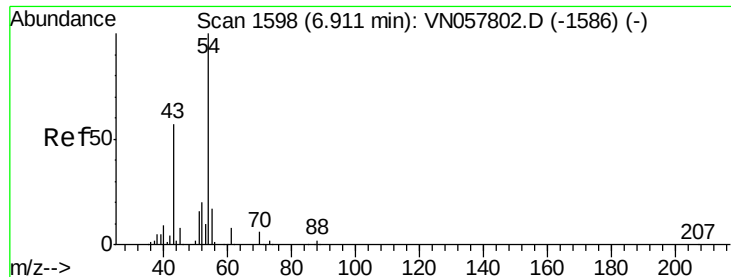
MMDadoda
9/13/2019 1:05:26 PM



#36
1,1-Dichloropropene
Concen: 45.575 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	294939		
110	32.5	16.3	48.9	
77	31.1	25.0	37.4	





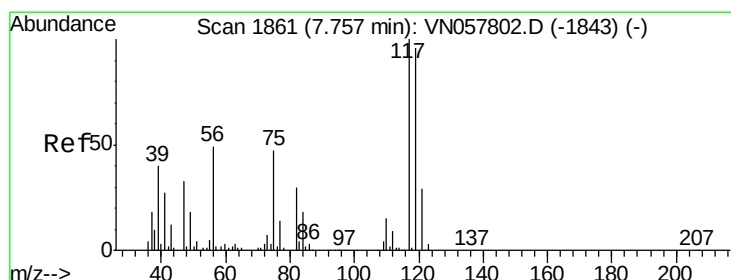
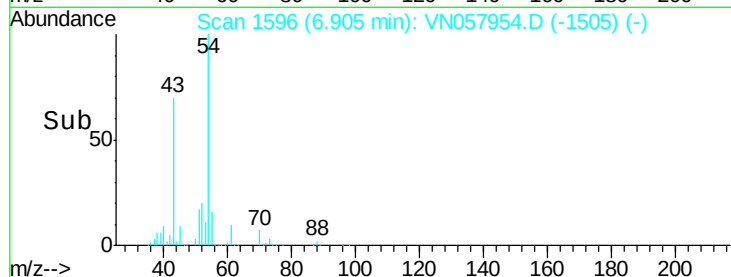
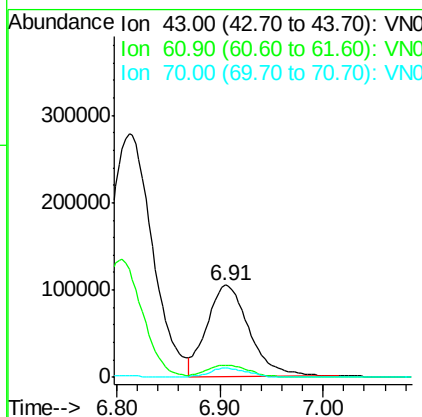
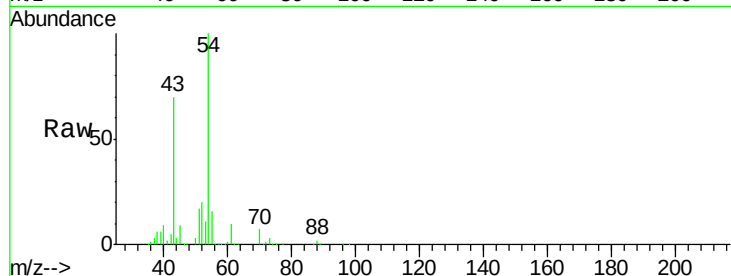
#37
Ethyl Acetate
Concen: 44.673 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
43	100	298699		
61	13.3	10.5	15.7	
70	9.2	7.4	11.0	

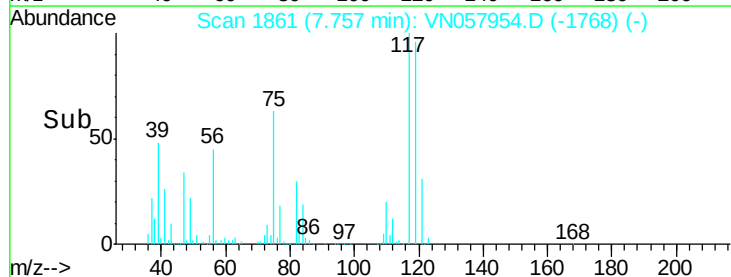
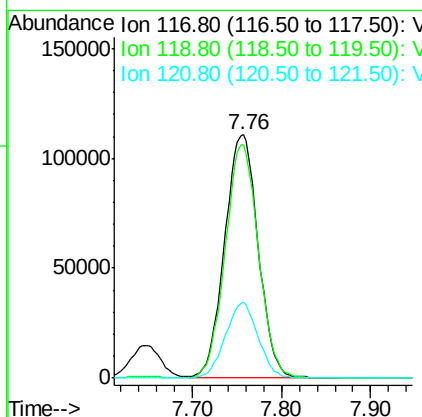
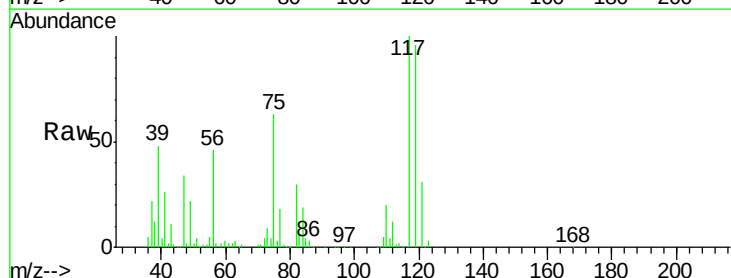
Manual Integrations
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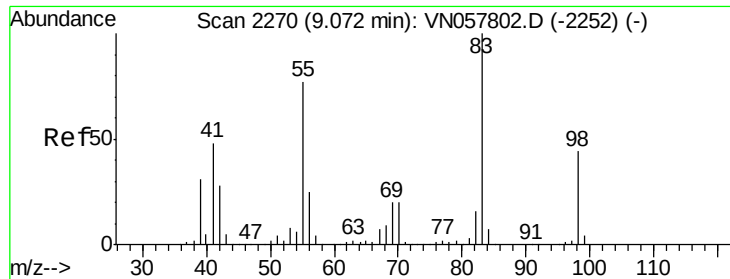
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#38
Carbon Tetrachloride
Concen: 48.862 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	288701		
119	95.4	76.9	115.3	
121	31.2	23.4	35.2	





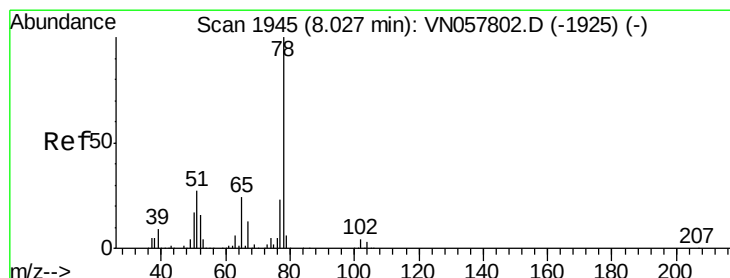
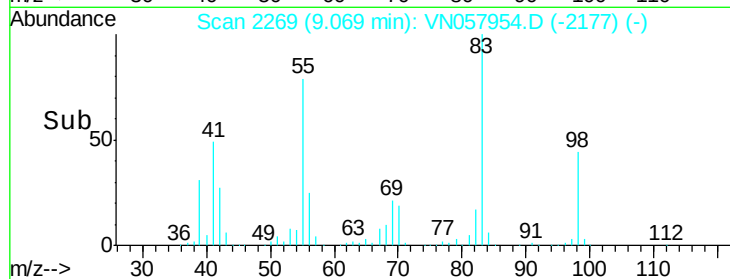
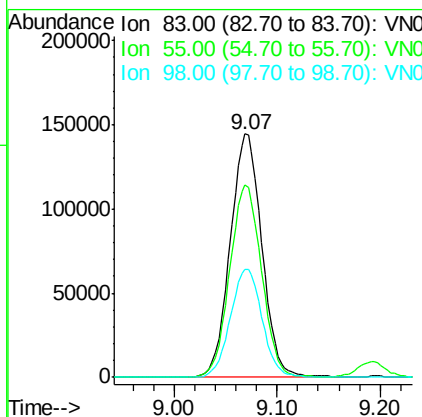
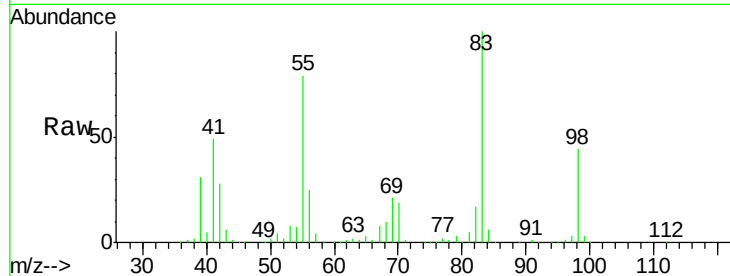
#39
Methylvlcyclohexane
Concen: 45.438 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.2	61.6	92.4	
98	44.4	34.9	52.3	

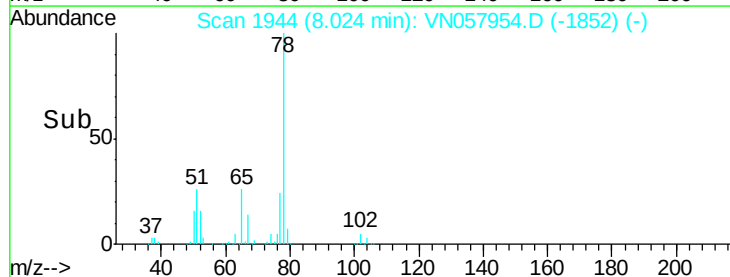
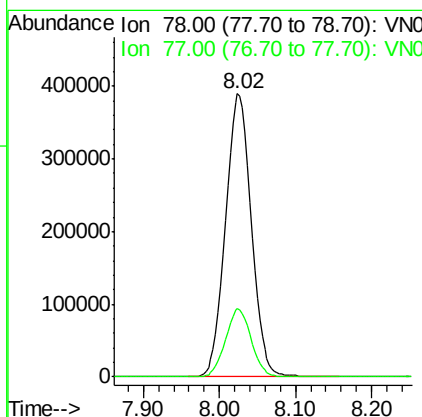
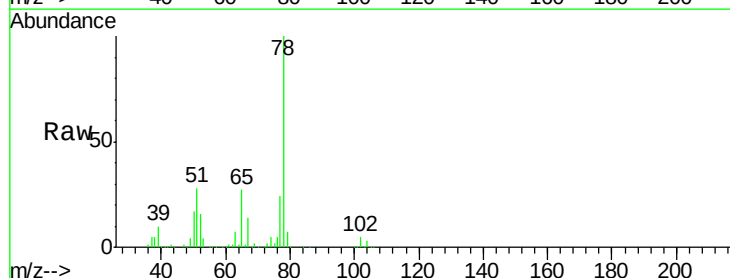
Manual Integrations
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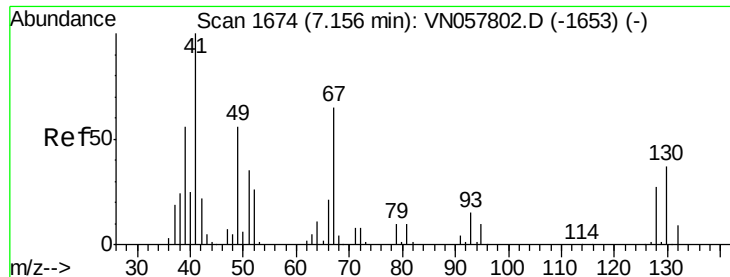
MMDadoda
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#40
Benzene
Concen: 47.359 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.3	18.3	27.5	





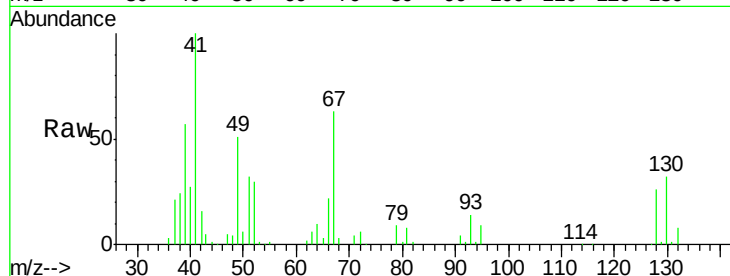
#41
Methacrylonitrile
Concen: 43.172 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	131033
Ion Ratio	Lower	Upper	
41	100		
39	69.6	51.0	76.6
67	93.8	70.7	106.1
52	41.7	30.8	46.2

Manual Integrations
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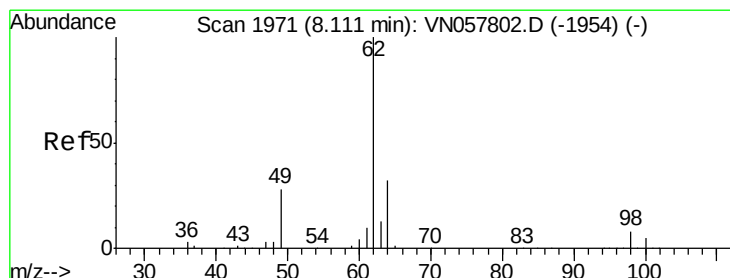
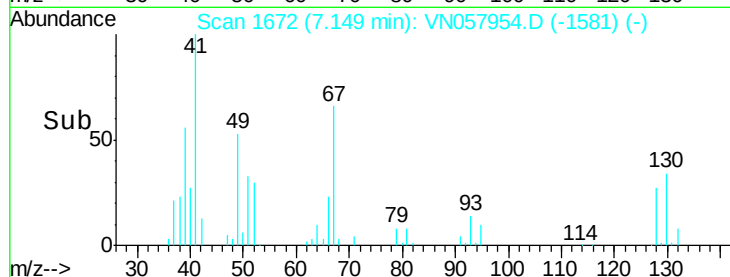
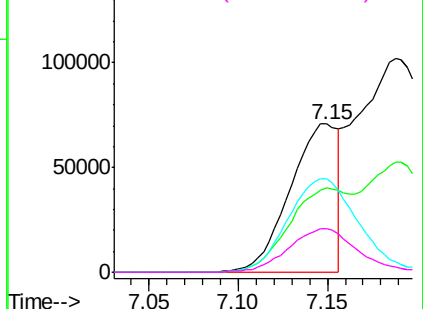
Abundance

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

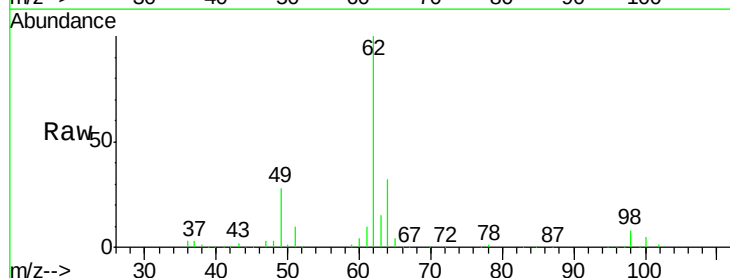
Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42
1,2-Dichloroethane
Concen: 47.962 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

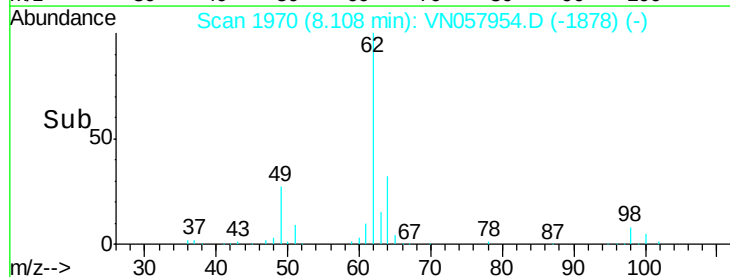
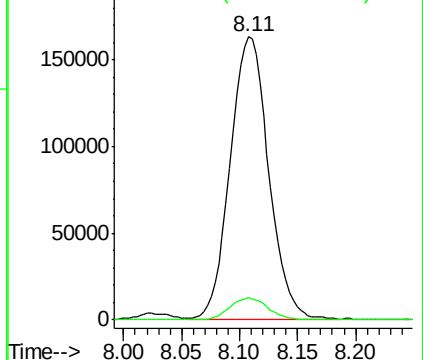
Tgt Ion	62	Resp	373730
Ion Ratio	Lower	Upper	
62	100		
98	7.8	0.0	15.8

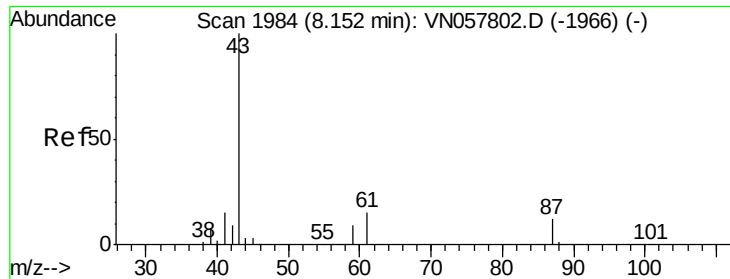


Abundance

Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 46.928 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

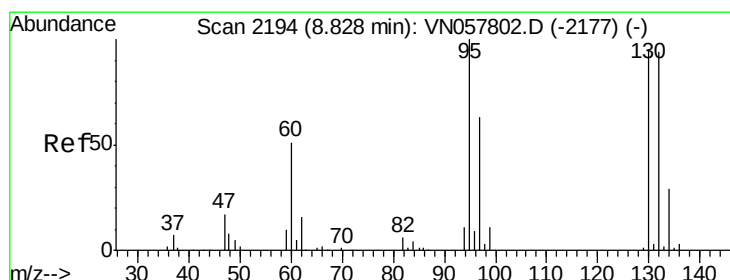
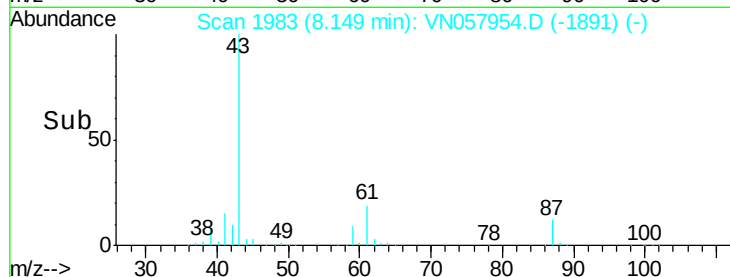
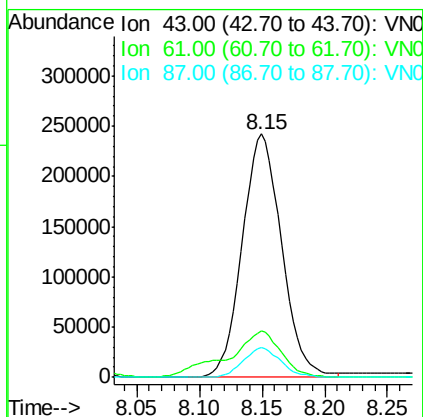
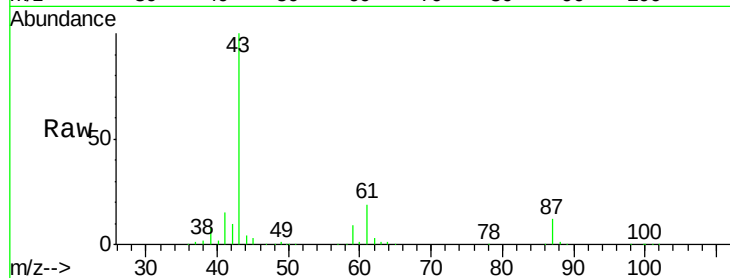
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	527662
Ion	Ratio	Lower	Upper
43	100		
61	25.5	20.1	30.1
87	11.8	9.5	14.3

Manual Integrations
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#44

Trichloroethene

Concen: 46.865 ug/l

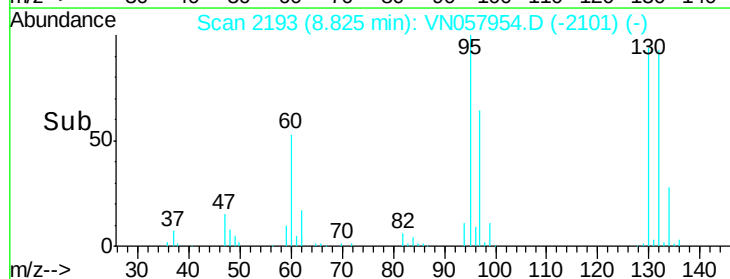
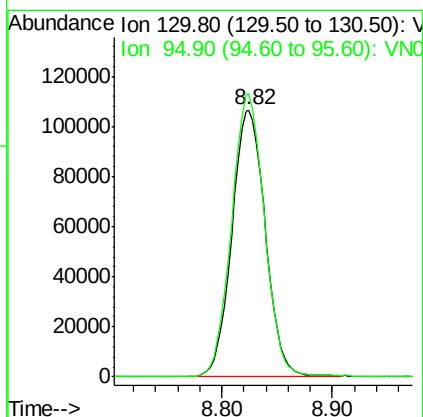
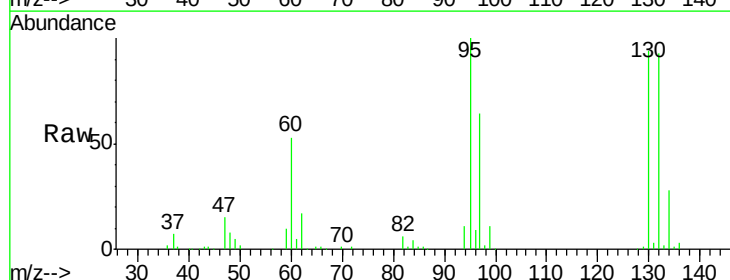
RT: 8.82 min Scan# 2193

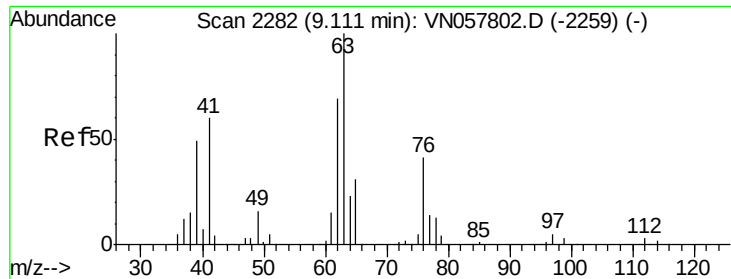
Delta R.T. -0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tgt Ion:	130	Resp:	223954
Ion	Ratio	Lower	Upper
130	100		
95	105.9	0.0	211.4





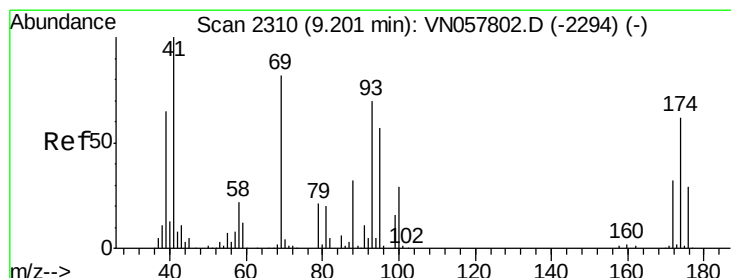
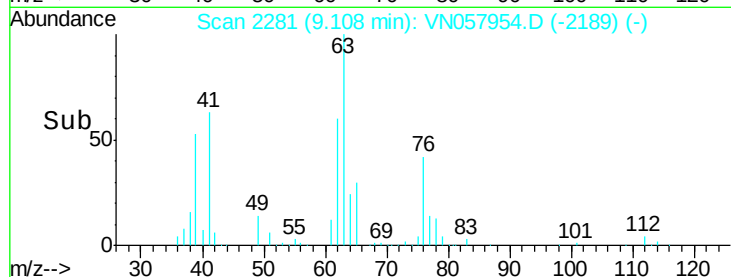
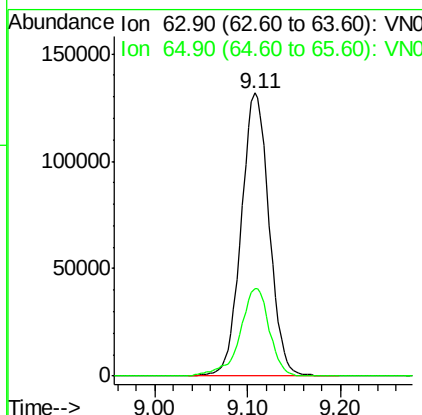
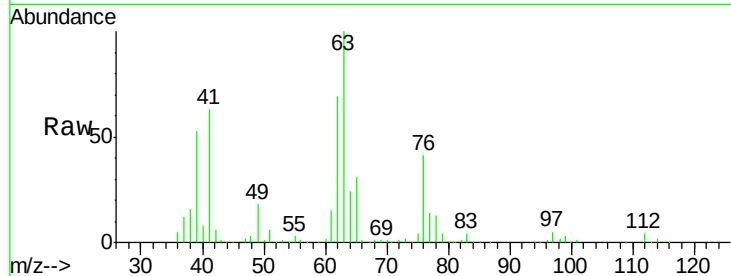
#45
 1,2-Dichloropropane
 Concen: 48.560 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.8	37.2

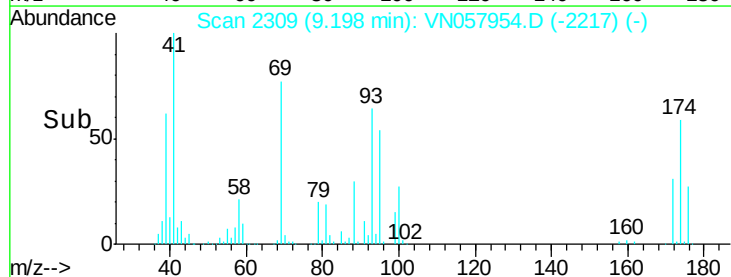
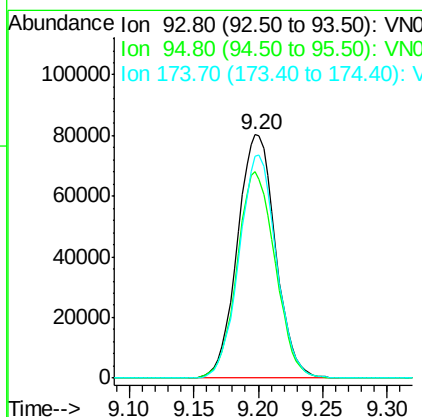
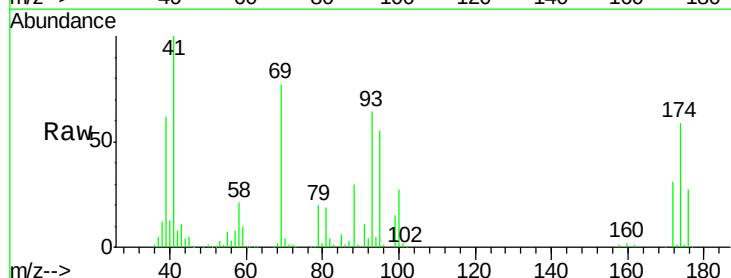
Manual Integrations
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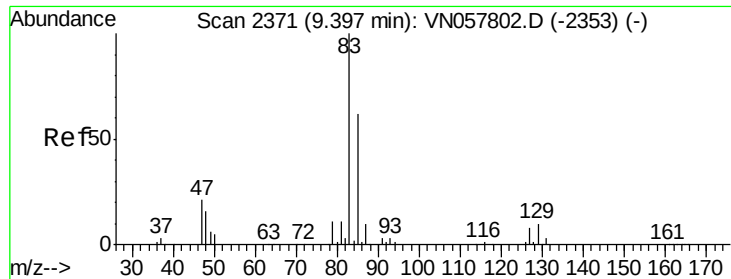
MMDadoda
 9/13/2019 1:05:26 PM



#46
 Dibromomethane
 Concen: 48.152 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	65.9	98.9
174	89.5	71.8	107.6





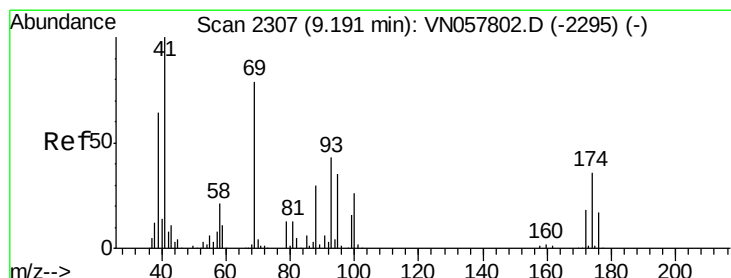
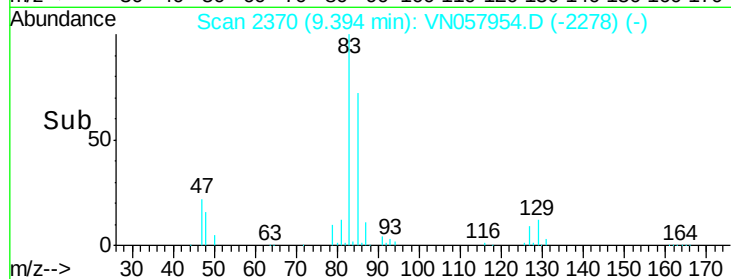
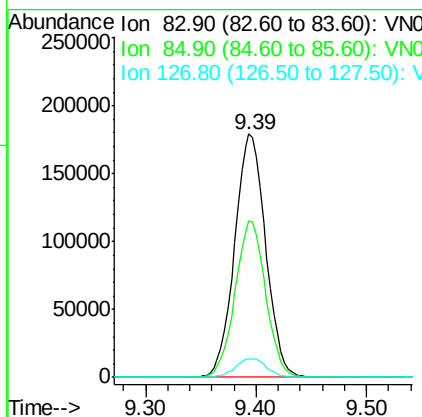
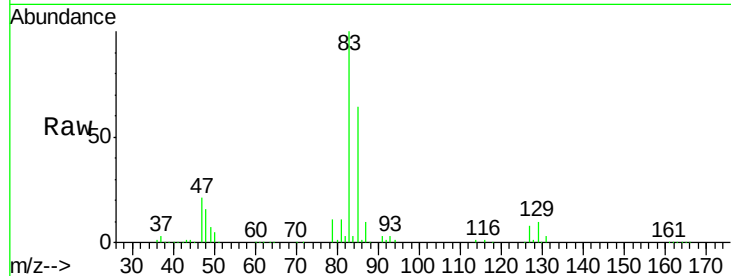
#47
Bromodichloromethane
Concen: 50.964 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	348655		
85	64.3	49.9	74.9	
127	7.7	6.5	9.7	

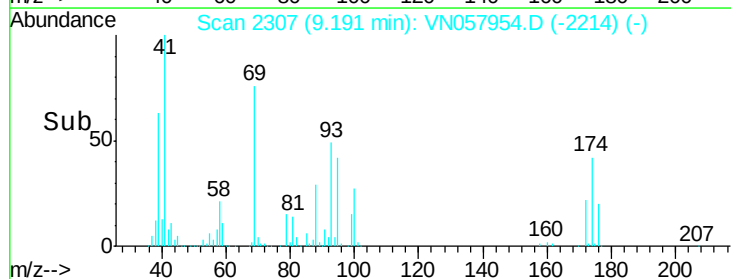
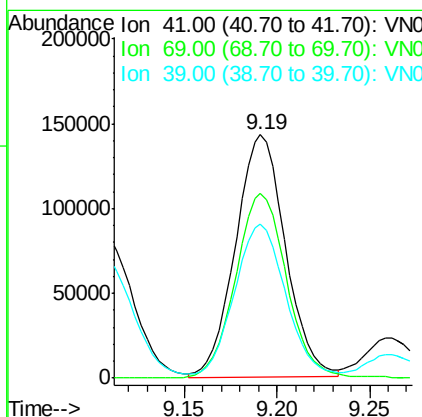
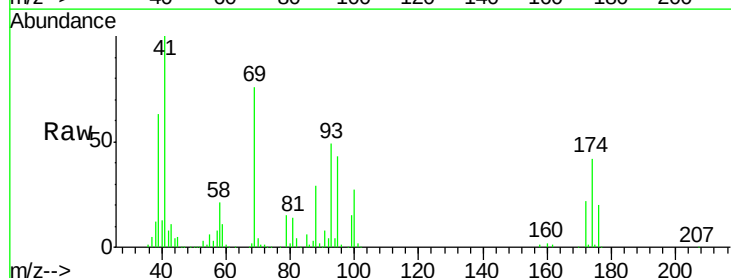
Manual Integrations
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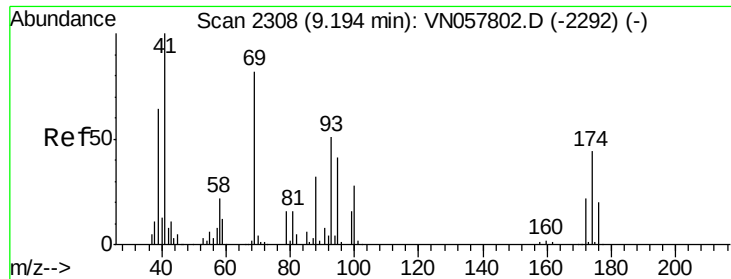
MMDadoda
9/13/2019 1:05:26 PM



#48
Methyl methacrylate
Concen: 47.159 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	268986		
69	78.0	62.7	94.1	
39	65.5	52.7	79.1	





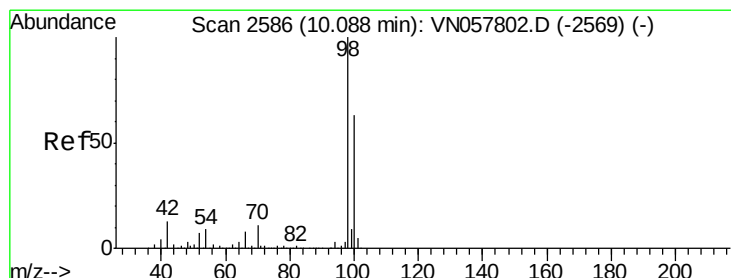
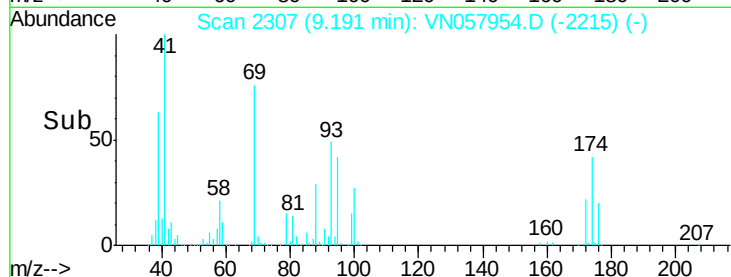
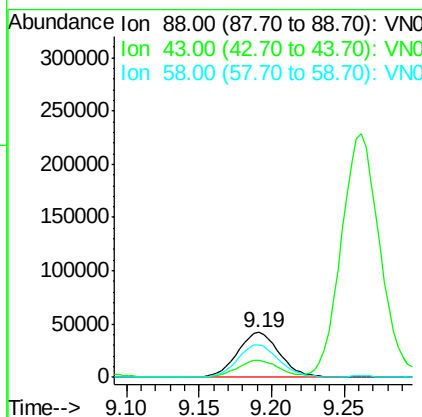
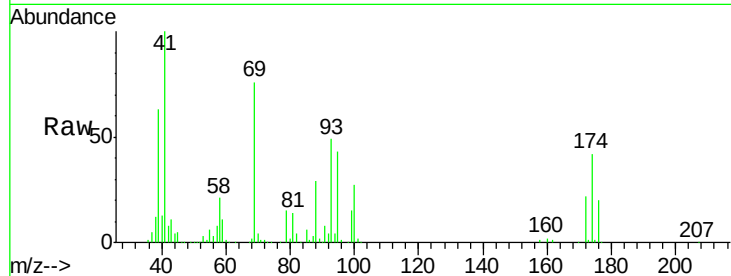
#49
1,4-Dioxane
Concen: 880.113 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	84892
Ion	Ratio	Lower	Upper
88	100		
43	36.6	28.5	42.7
58	71.9	55.8	83.6

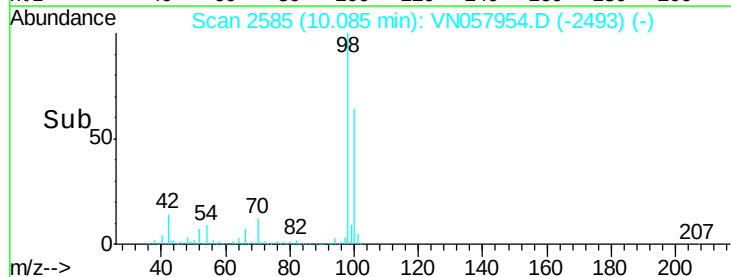
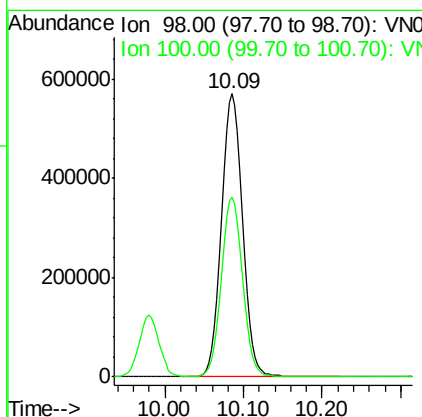
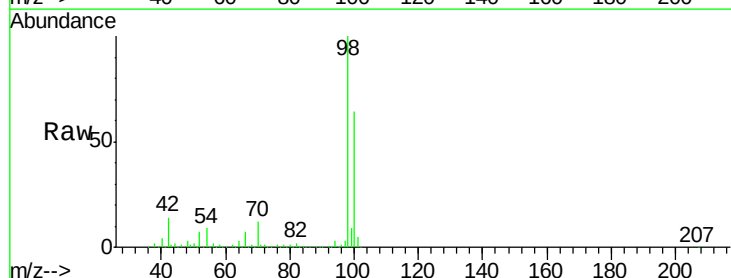
Manual Integrations
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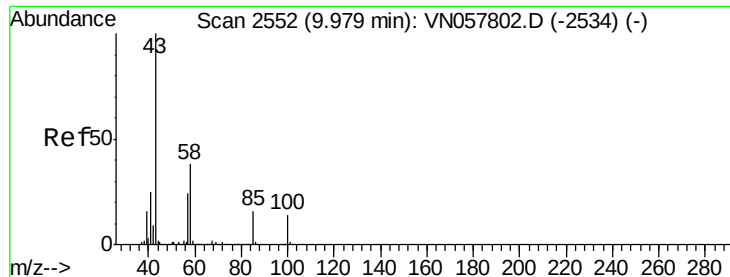
MMDadoda
9/13/2019 1:05:26 PM



#50
Toluene-d8
Concen: 52.822 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	98	Resp	1056232
Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.3	75.5





#51

4-Methyl-2-Pentanone

Concen: 247.960 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1649911

Ion Ratio Lower Upper

43 100

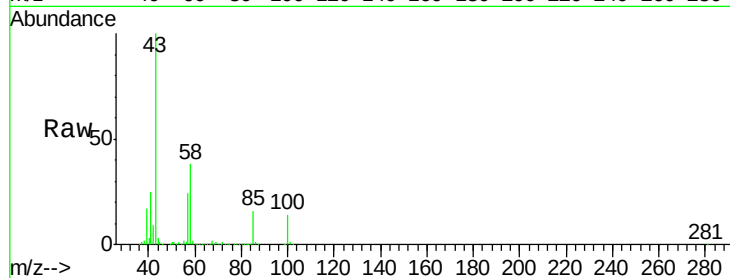
58 37.2 29.8 44.6

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

9.98

800000

600000

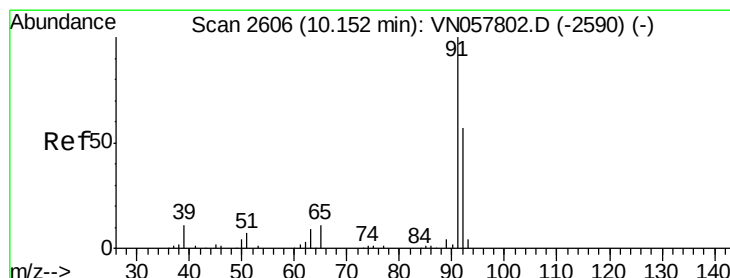
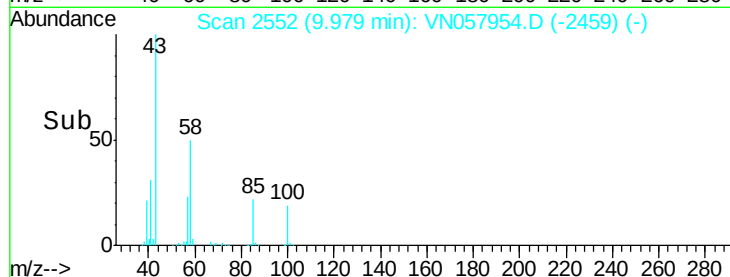
400000

200000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 48.469 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057954.D

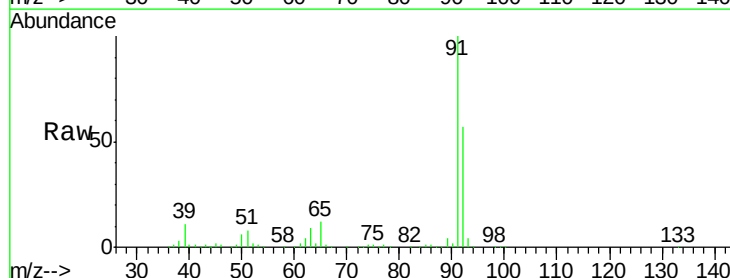
Acq: 12 Sep 2019 8:54

Tgt Ion: 92 Resp: 594784

Ion Ratio Lower Upper

92 100

91 176.1 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN057802.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN057802.D (-2590) (-)

10.15

600000

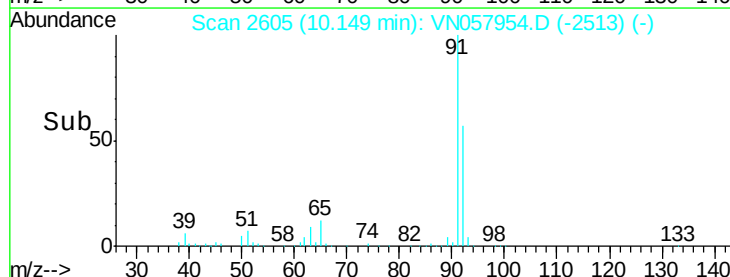
400000

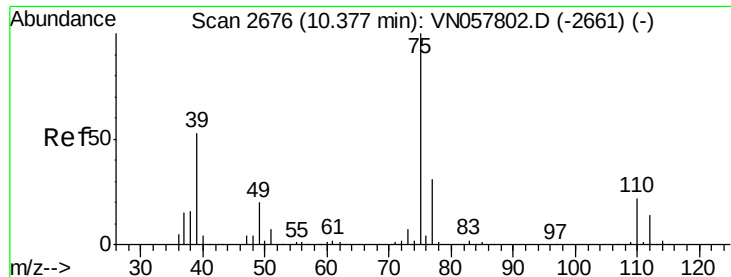
200000

0

10.10 10.20 10.30

Time-->





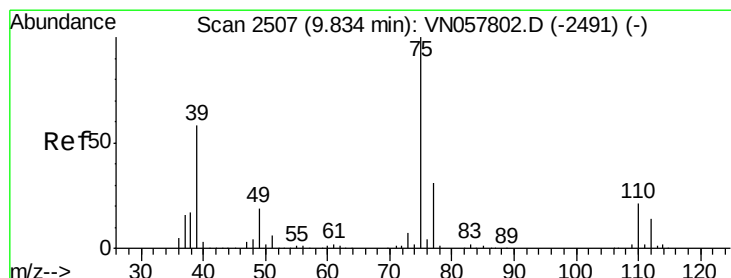
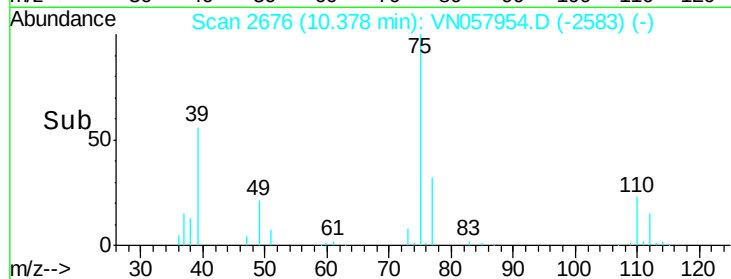
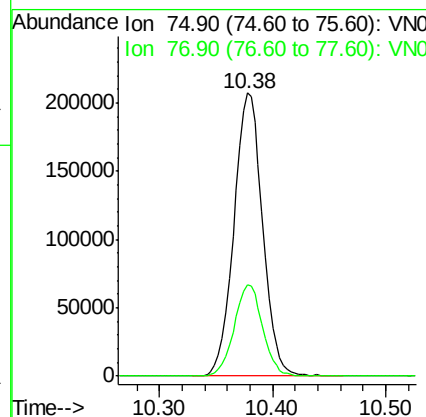
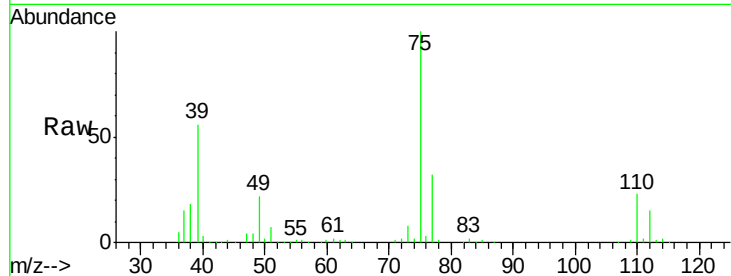
#53
 t-1,3-Dichloropropene
 Concen: 50.591 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 364467
 Ion Ratio Lower Upper
 75 100
 77 32.4 24.5 36.7

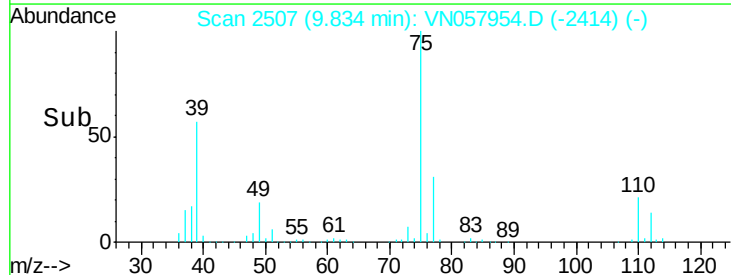
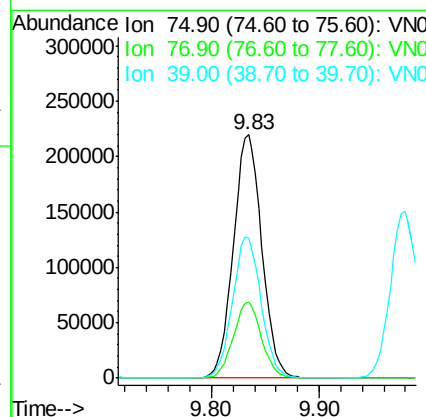
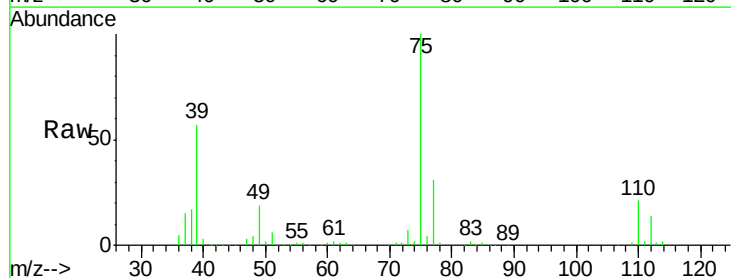
Manual Integrations
 APPROVED

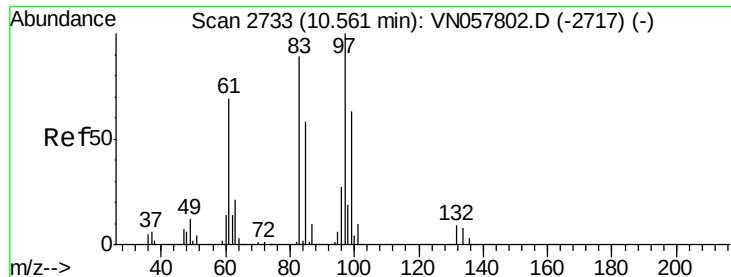
MMDadoda
 9/13/2019 1:05:26 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.879 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion: 75 Resp: 404689
 Ion Ratio Lower Upper
 75 100
 77 31.1 24.8 37.2
 39 57.2 46.2 69.4





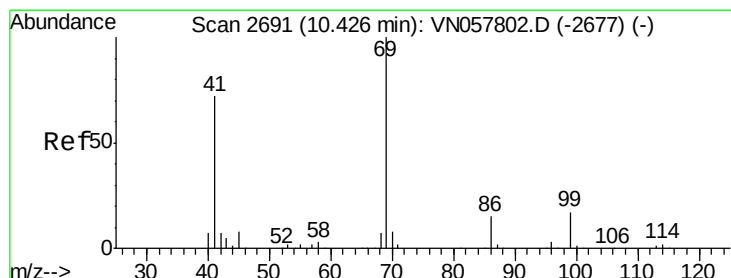
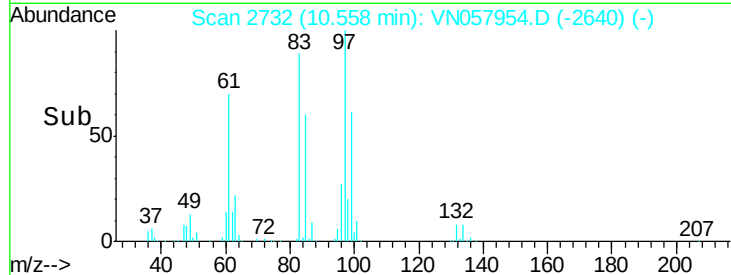
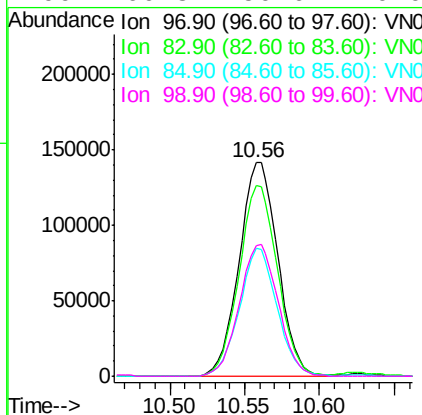
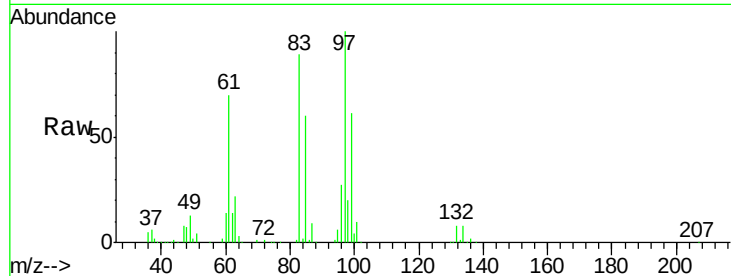
#55
 1,1,2-Trichloroethane
 Concen: 49.053 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	254978
Ion	Ratio	Lower	Upper
97	100		
83	89.5	70.8	106.2
85	59.8	46.0	69.0
99	60.8	50.6	76.0

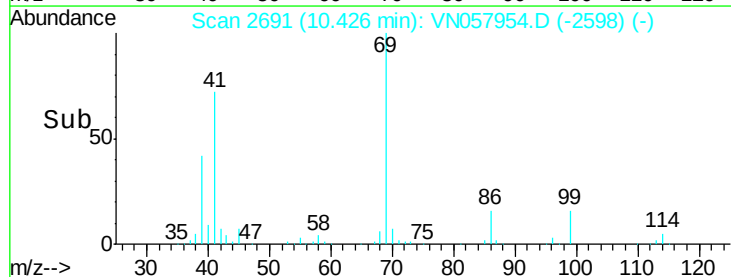
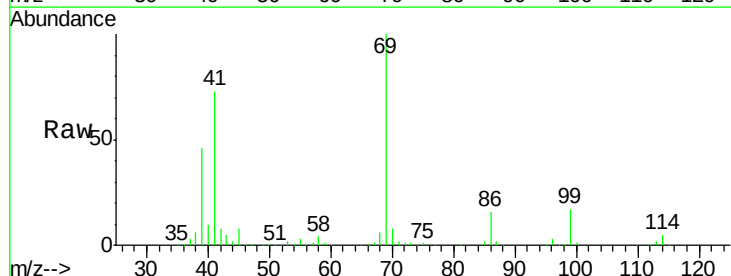
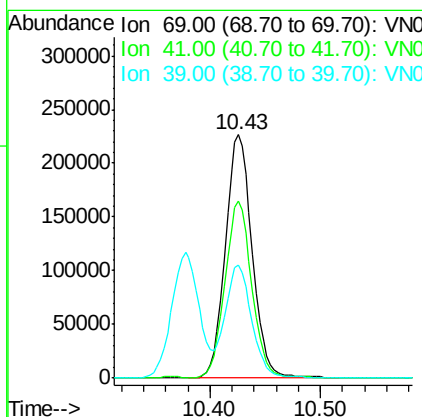
Manual Integrations
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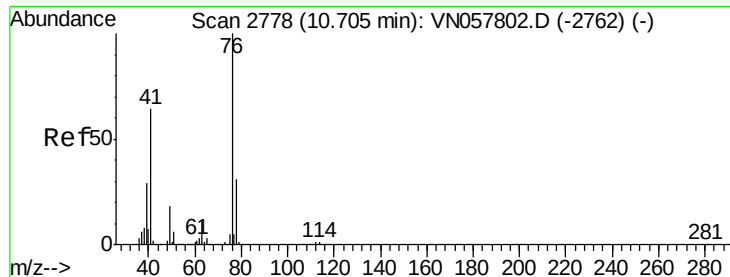
MMDadoda
 9/13/2019 1:05:26 PM



#56
 Ethyl methacrylate
 Concen: 48.716 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion:	69	Resp:	381336
Ion	Ratio	Lower	Upper
69	100		
41	72.1	56.7	85.1
39	45.8	36.3	54.5





#57

1,3-Dichloropropane

Concen: 48.887 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 437935

Ion Ratio Lower Upper

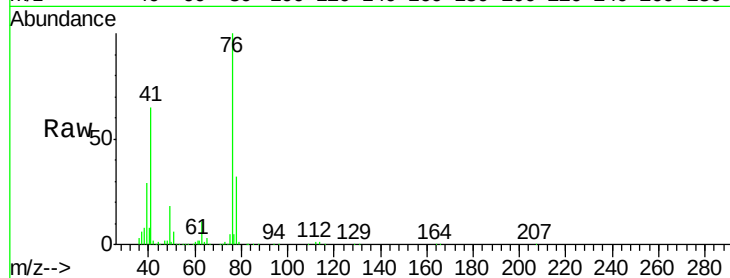
76 100

78 32.0 25.4 38.2

Manual Integrations
APPROVED

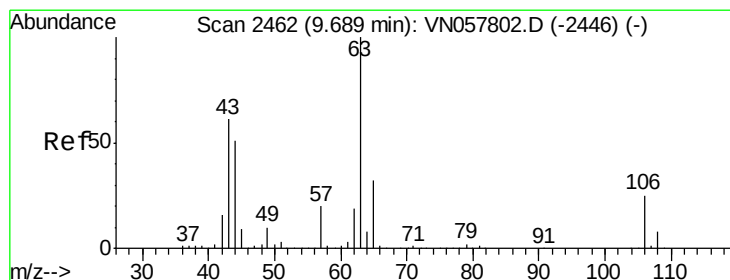
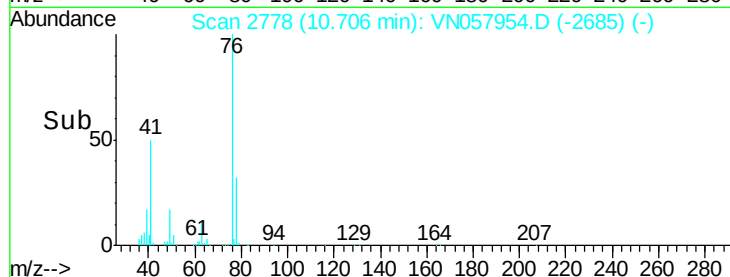
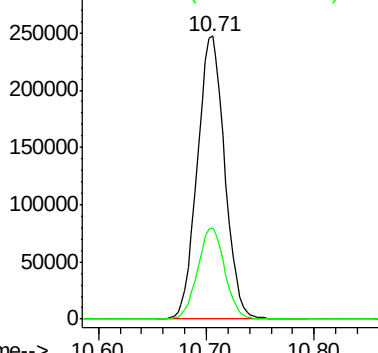
MMDadoda

9/13/2019 1:05:26 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 218.084 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057954.D

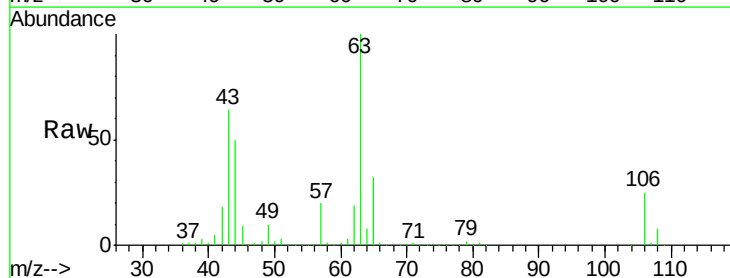
Acq: 12 Sep 2019 8:54

Tgt Ion: 63 Resp: 804031

Ion Ratio Lower Upper

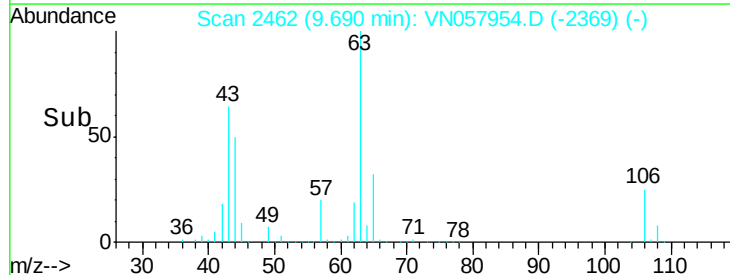
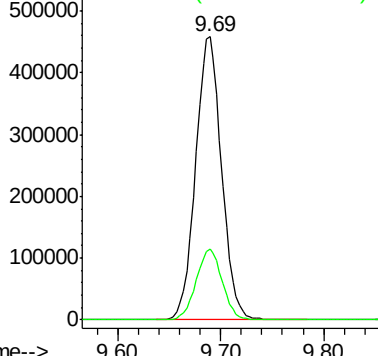
63 100

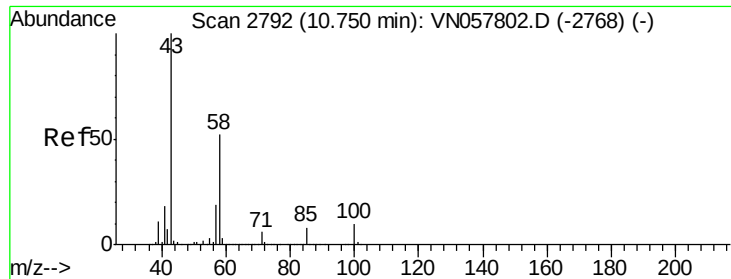
106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





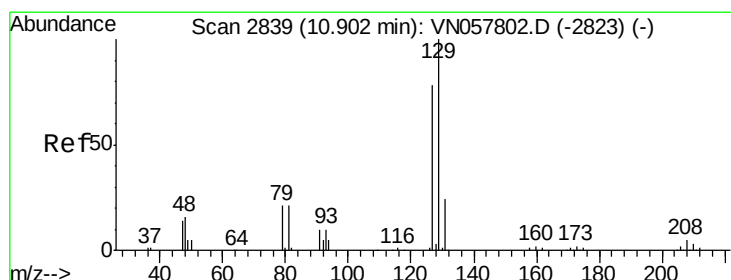
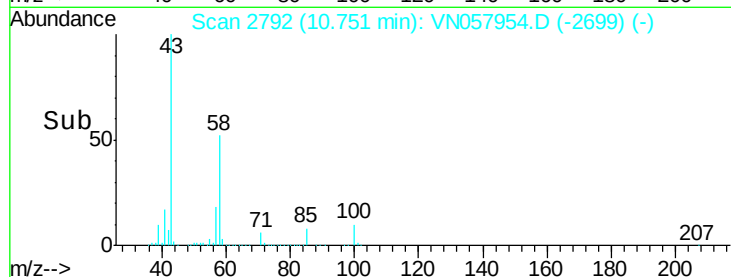
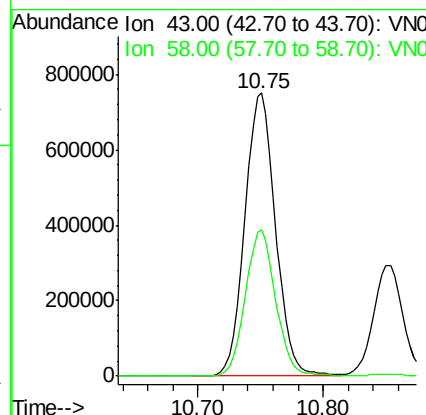
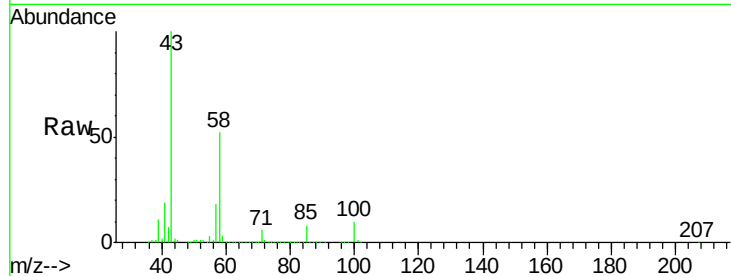
#59
2-Hexanone
Concen: 255.875 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1276146
Ion Ratio Lower Upper
43 100
58 51.1 25.6 76.8

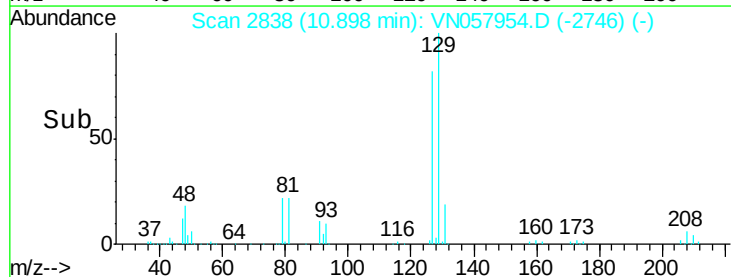
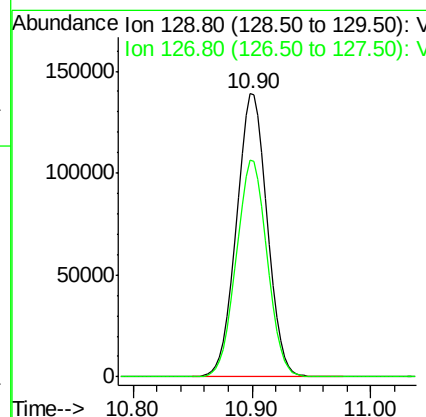
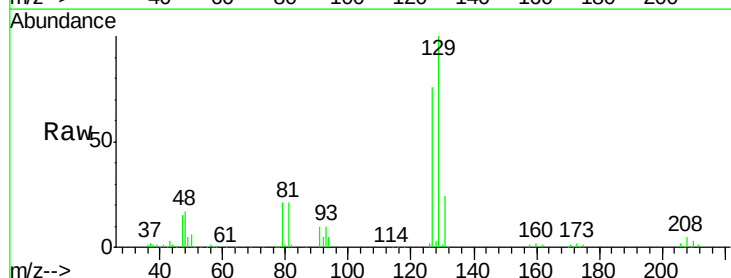
Manual Integrations
APPROVED

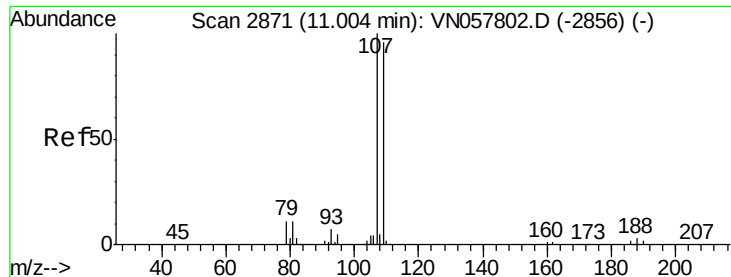
MMDadoda
9/13/2019 1:05:26 PM



#60
Dibromochloromethane
Concen: 51.532 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion: 129 Resp: 248737
Ion Ratio Lower Upper
129 100
127 77.1 38.6 116.0





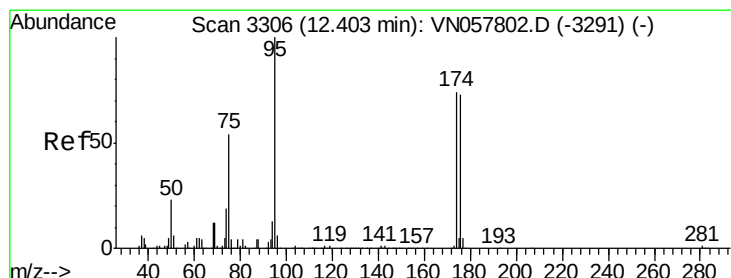
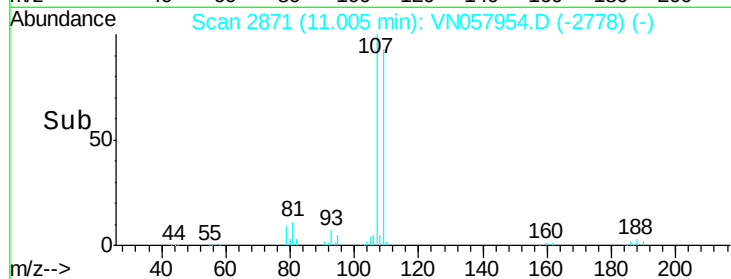
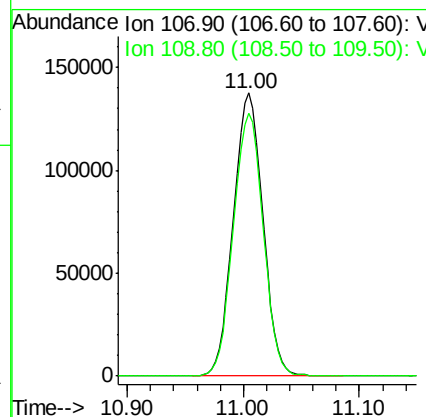
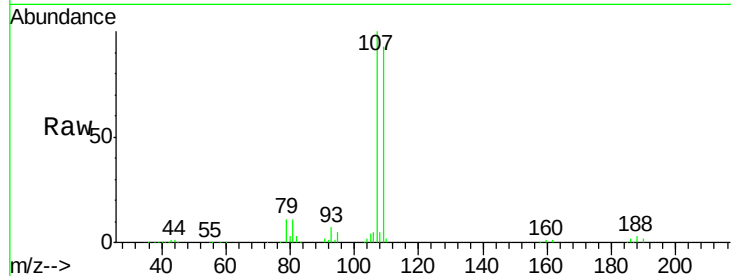
#61
 1,2-Dibromoethane
 Concen: 49.325 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.3	112.9

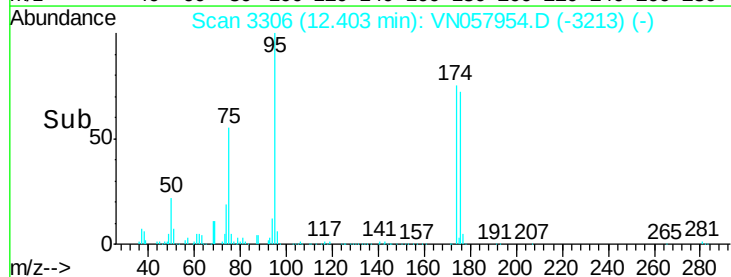
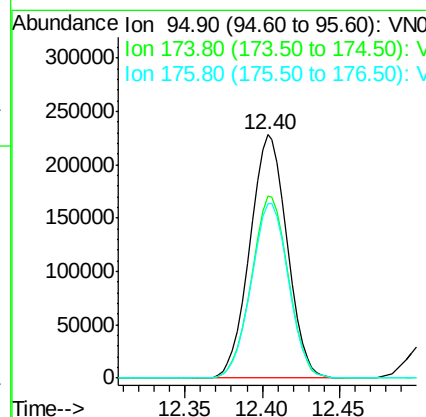
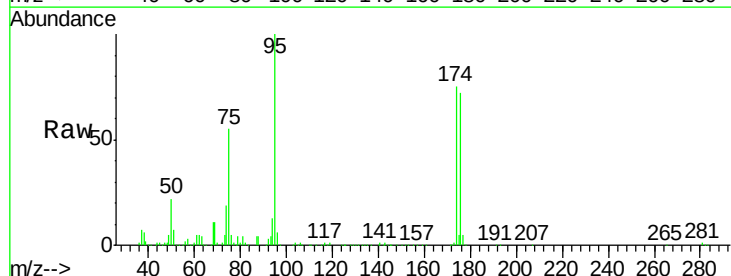
Manual Integrations
 APPROVED

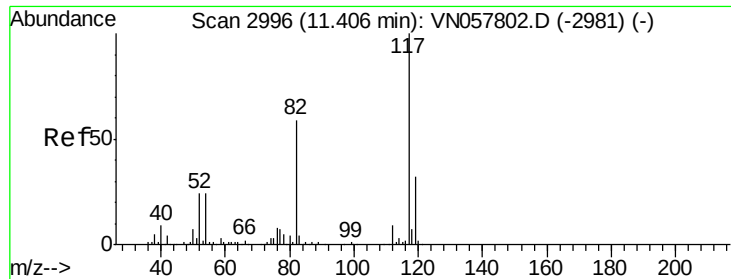
MMDadoda
 9/13/2019 1:05:26 PM



#62
 4-Bromofluorobenzene
 Concen: 50.254 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.2
176	72.3	0.0	146.0





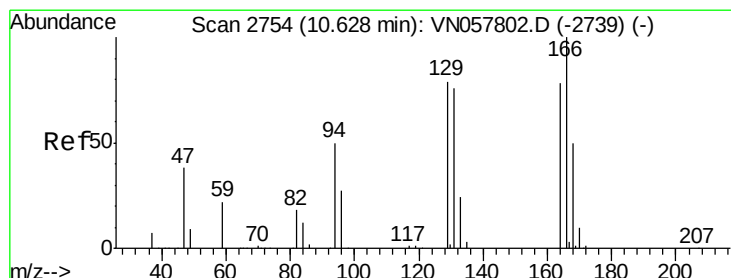
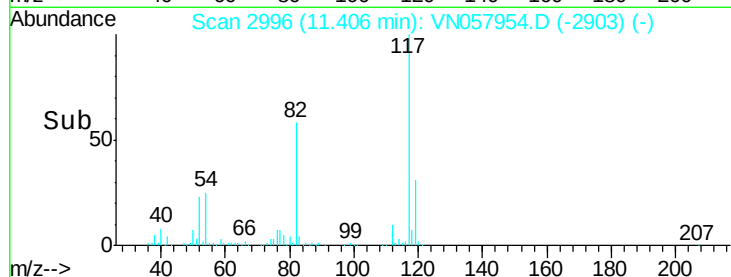
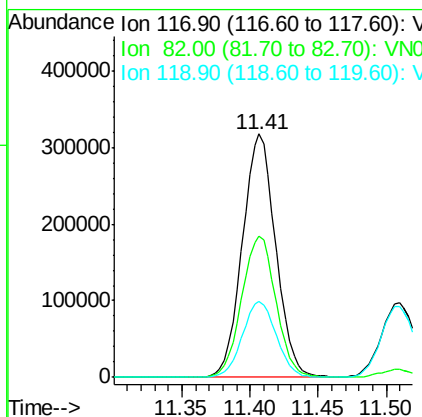
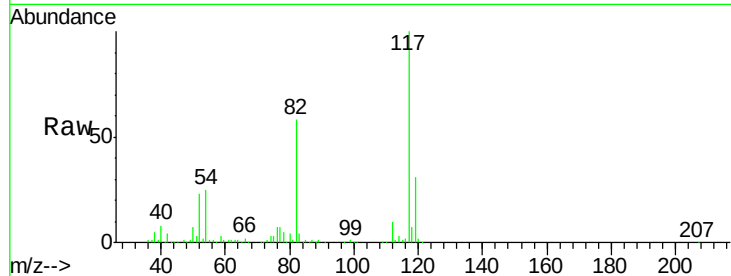
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	539168		
82	58.1		47.2	70.8
119	31.0		25.3	37.9

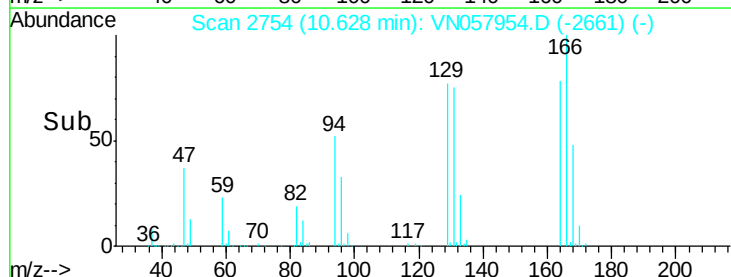
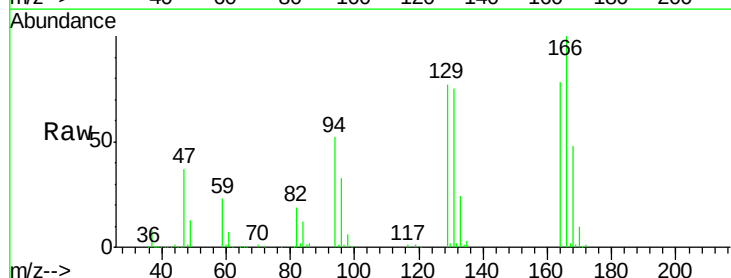
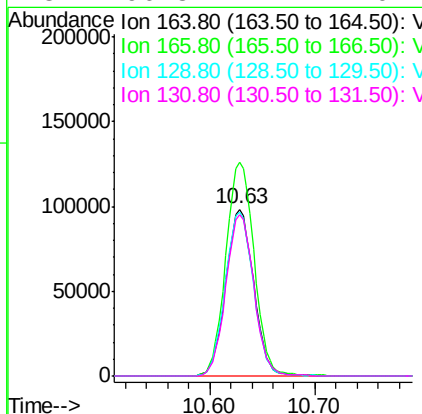
Manual Integrations
APPROVED

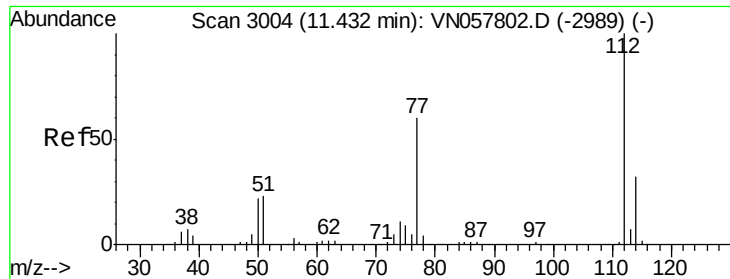
MMDadoda
9/13/2019 1:05:26 PM



#64
Tetrachloroethene
Concen: 45.231 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	180063		
166	128.3		102.2	153.2
129	98.4		80.8	121.2
131	96.8		77.4	116.2





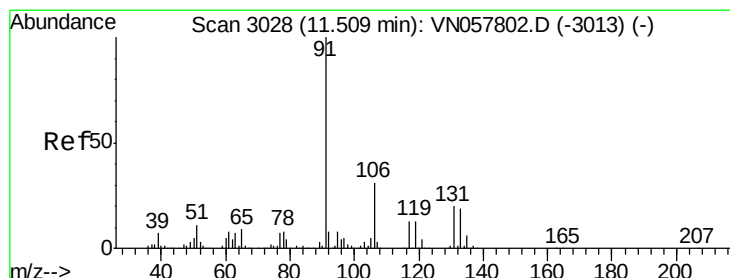
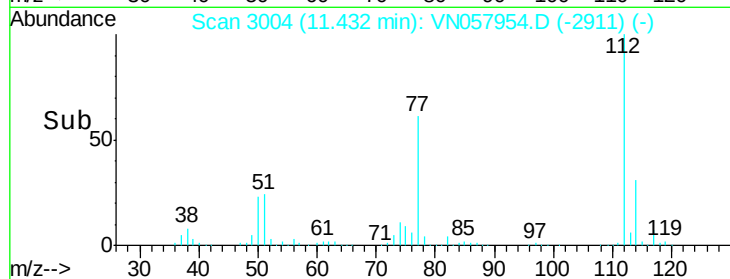
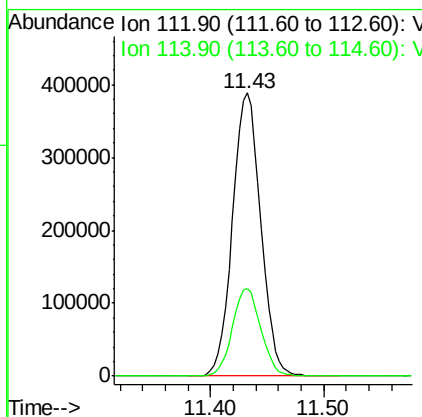
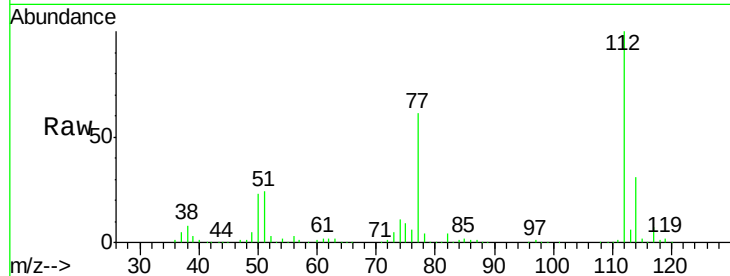
#65
Chlorobenzene
Concen: 47.875 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 675541
Ion Ratio Lower Upper
112 100
114 31.1 25.2 37.8

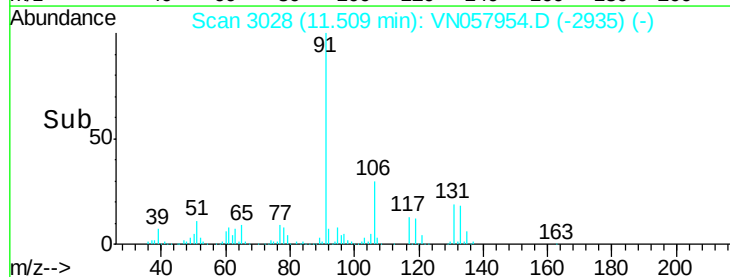
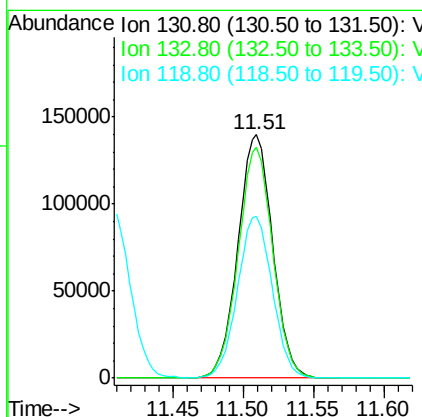
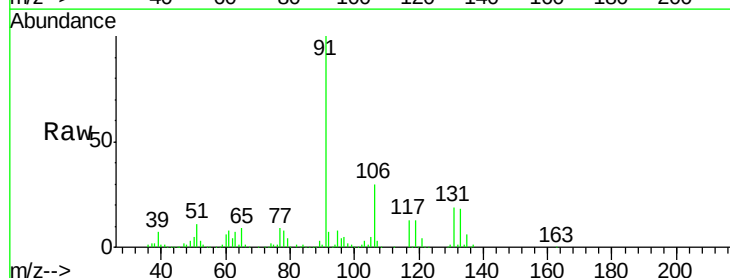
Manual Integrations
APPROVED

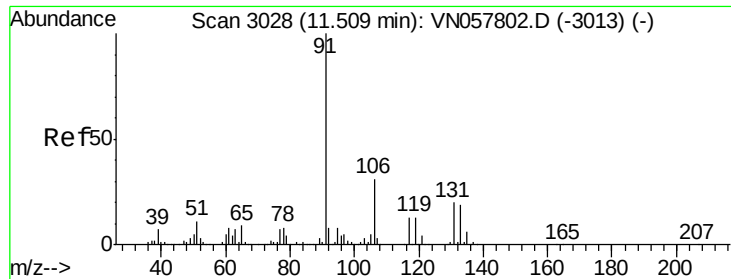
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.323 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion:131 Resp: 241497
Ion Ratio Lower Upper
131 100
133 94.2 47.1 141.3
119 66.5 33.3 99.8





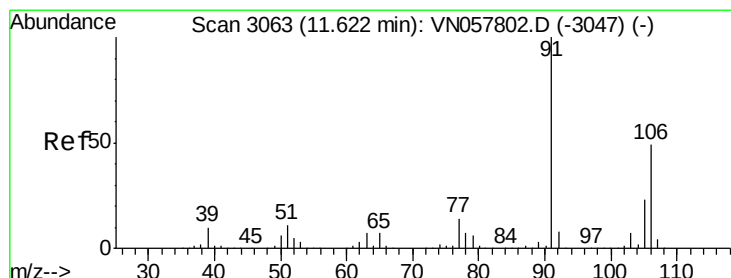
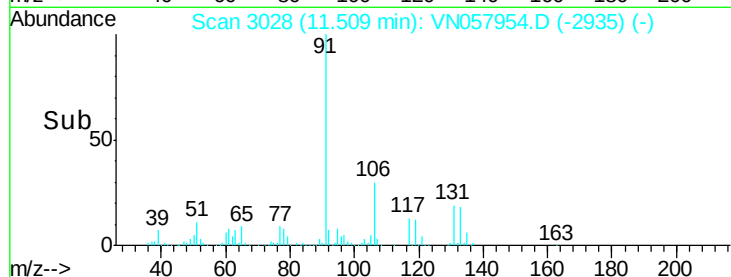
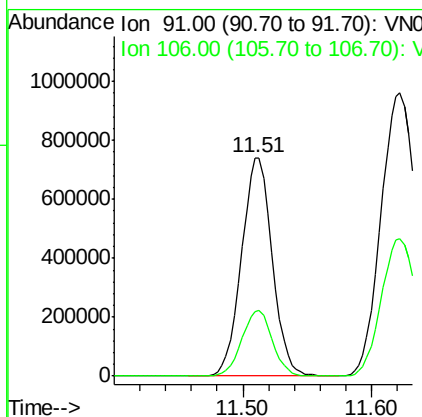
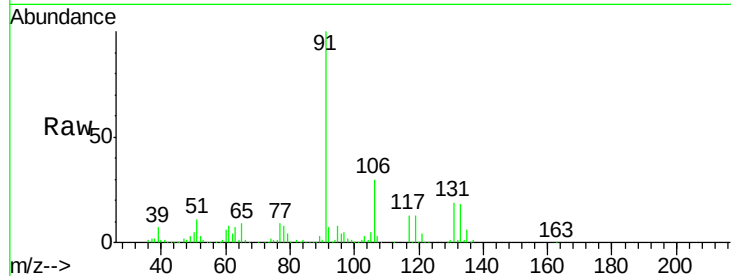
#67
Ethyl Benzene
Concen: 49.650 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 1227786
Ion Ratio Lower Upper
91 100
106 29.7 24.4 36.6

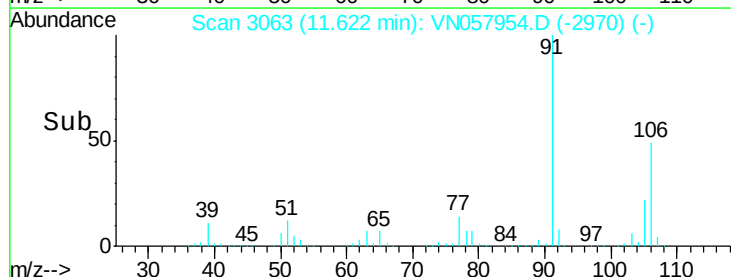
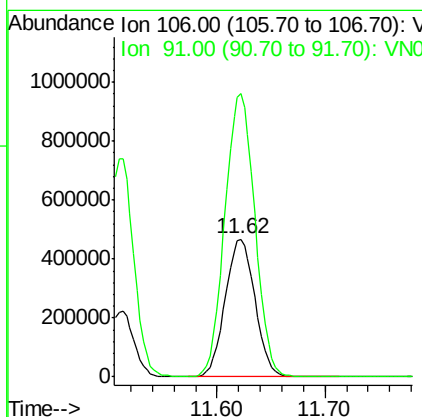
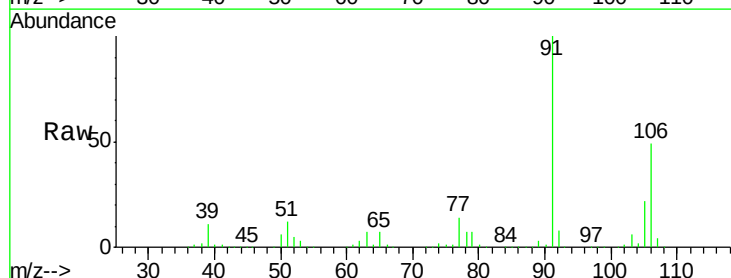
Manual Integrations
APPROVED

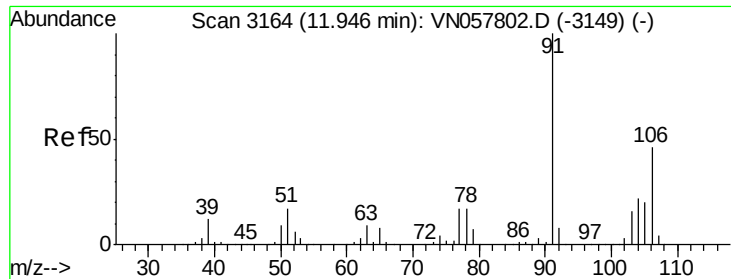
MMDadoda
9/13/2019 1:05:26 PM



#68
m/p-Xylenes
Concen: 98.950 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion: 106 Resp: 896311
Ion Ratio Lower Upper
106 100
91 207.6 165.8 248.6





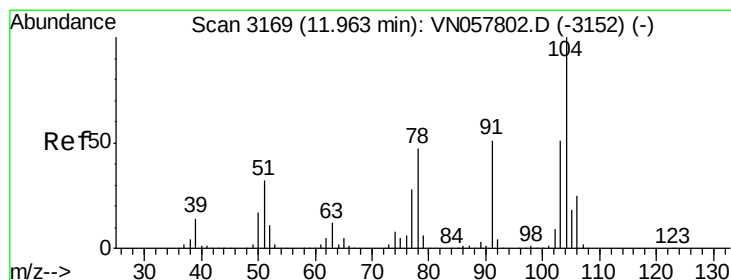
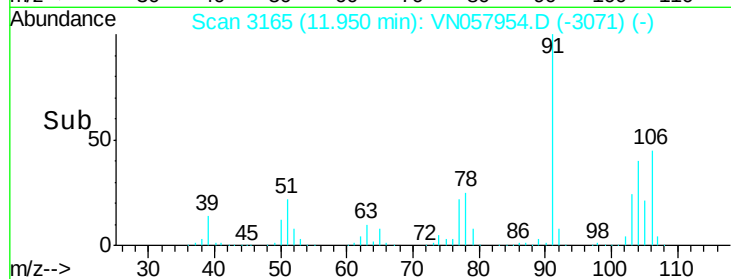
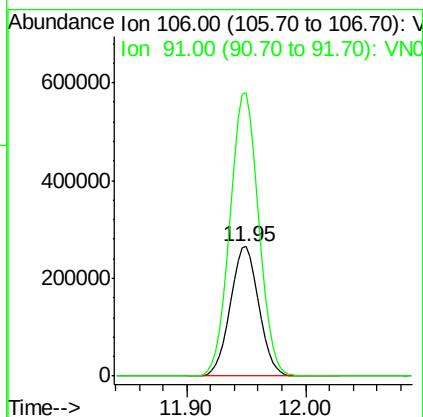
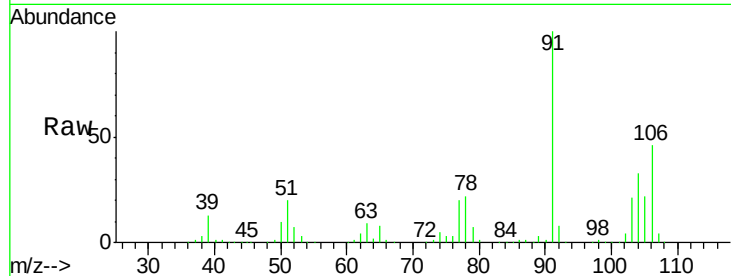
#69
o-Xylene
Concen: 48.921 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 440548
Ion Ratio Lower Upper
106 100
91 220.3 108.7 326.1

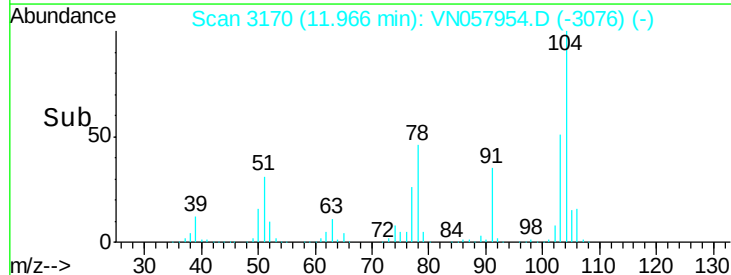
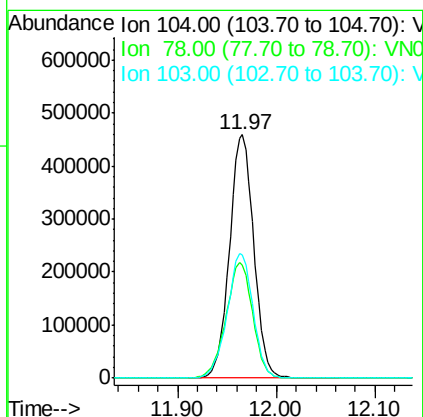
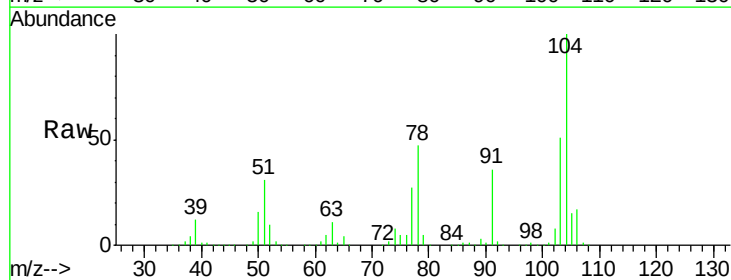
Manual Integrations
APPROVED

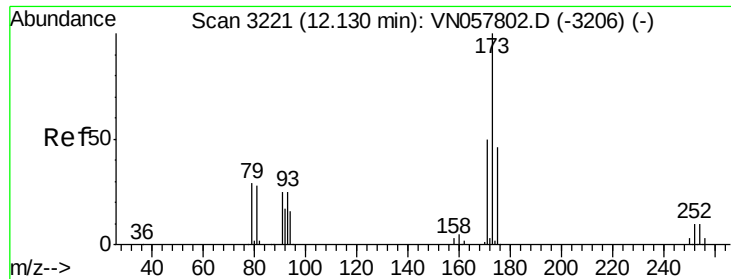
MMDadoda
9/13/2019 1:05:26 PM



#70
Styrene
Concen: 50.951 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion:104 Resp: 789639
Ion Ratio Lower Upper
104 100
78 52.2 41.3 61.9
103 54.6 43.7 65.5





#71

Bromoform

Concen: 49.664 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 151606

Ion Ratio Lower Upper

173 100

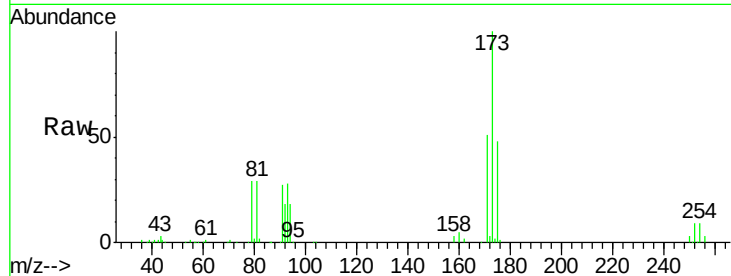
175 48.0 23.5 70.6

254 0.0 0.1 0.1#

Manual Integrations
APPROVED

MMDadoda

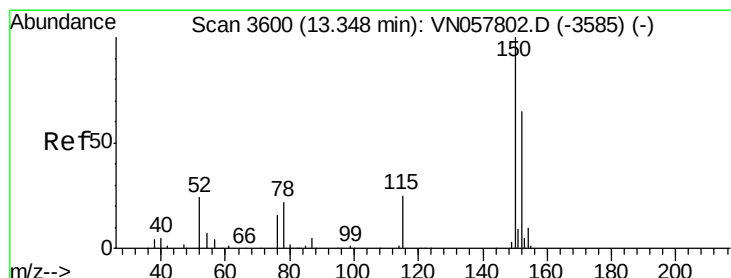
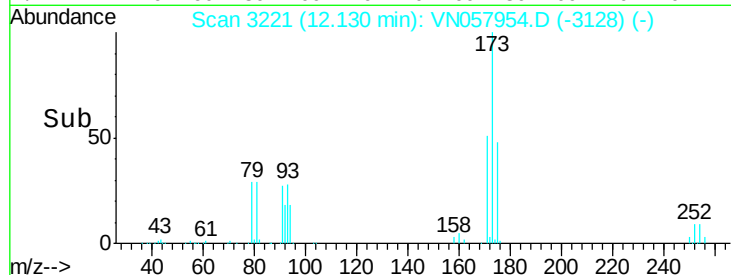
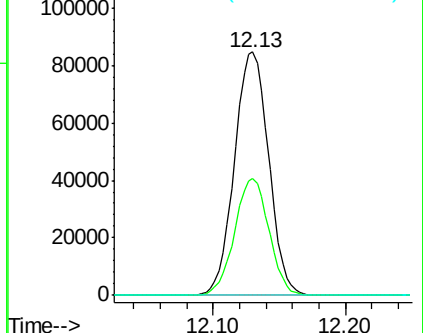
9/13/2019 1:05:26 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

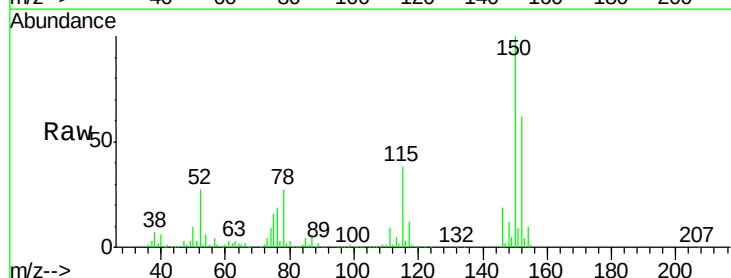
Tgt Ion:152 Resp: 330403

Ion Ratio Lower Upper

152 100

115 61.2 30.3 91.0

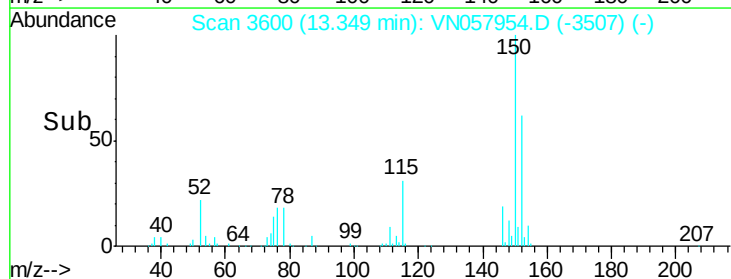
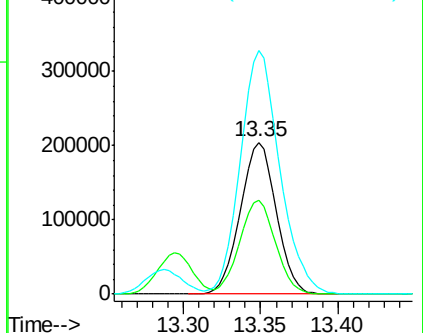
150 176.1 0.0 352.4

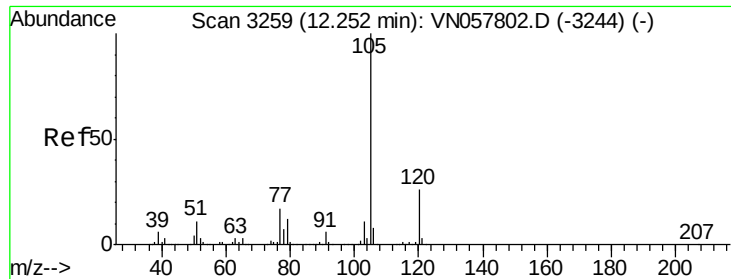


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.529 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 1244198

Ion Ratio Lower Upper

105 100

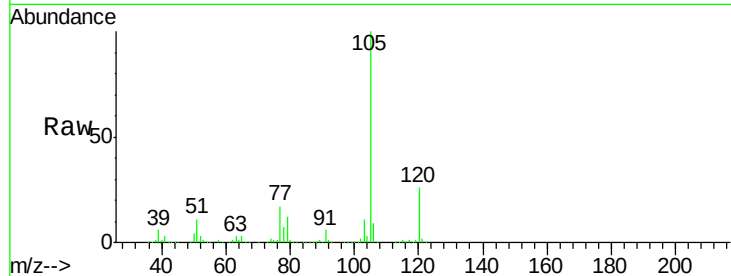
120 25.9 12.8 38.4

Manual Integrations

APPROVED

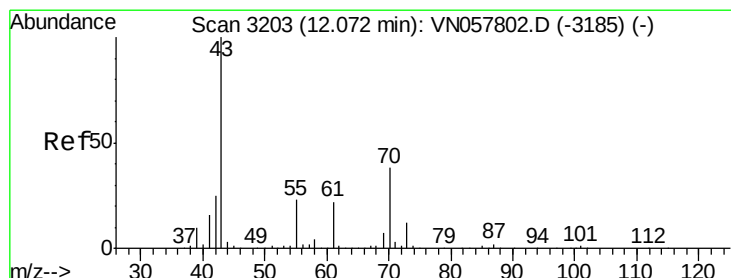
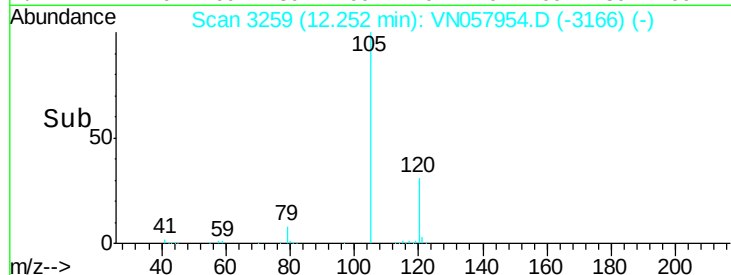
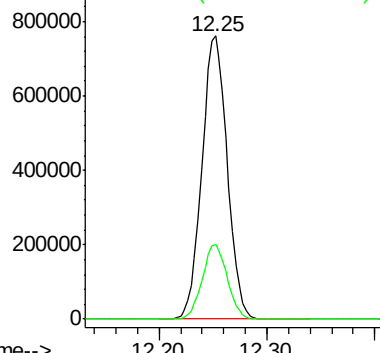
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.125 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Tgt Ion: 43 Resp: 514655

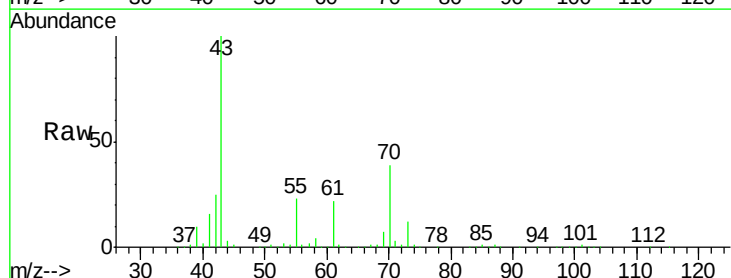
Ion Ratio Lower Upper

43 100

70 39.2 30.6 45.8

55 23.7 18.6 27.8

61 22.4 17.4 26.2

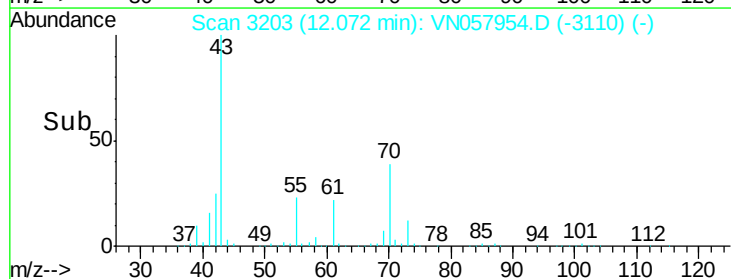
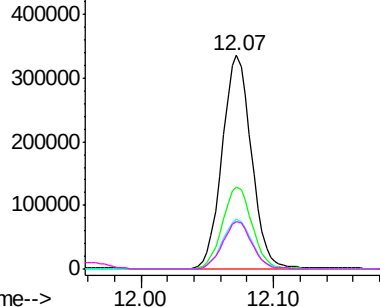


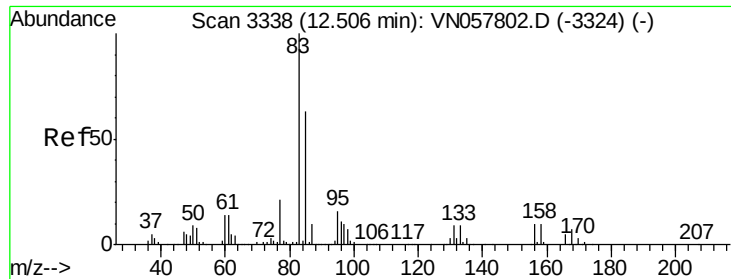
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.407 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

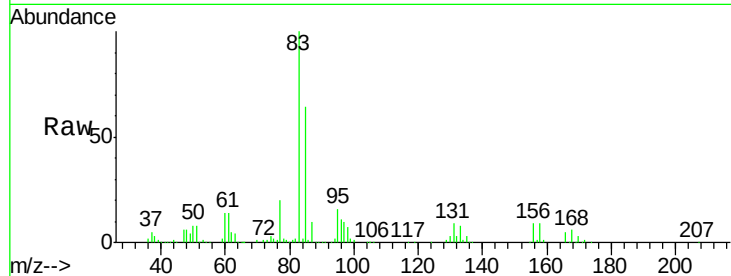
ClientSampleId :

VSTDCCC050

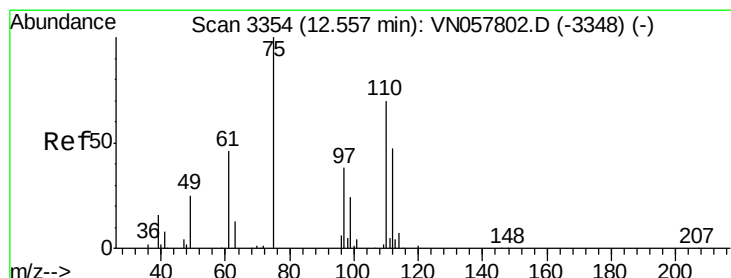
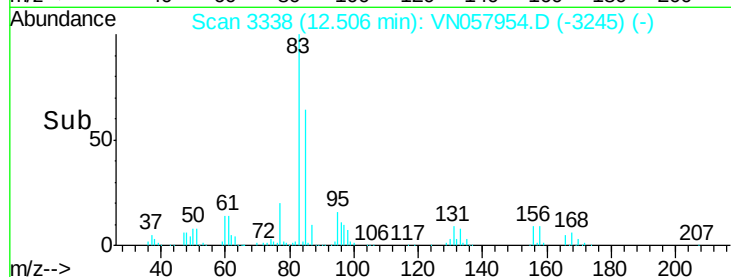
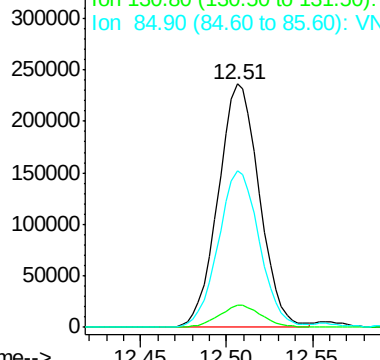
Tot Ion:	83	Resp:	391969
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.8	14.3
85	64.3	31.6	94.7

Manual Integrations
APPROVED

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Abundance Ion 82.90 (82.60 to 83.60): VN057802.D (-3324) (-)



#76

1,2,3-Trichloropropane

Concen: 43.134 ug/l m

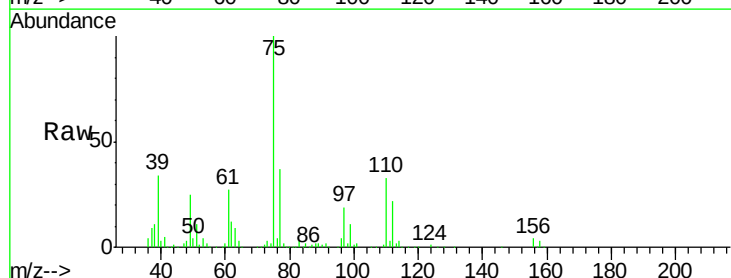
RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

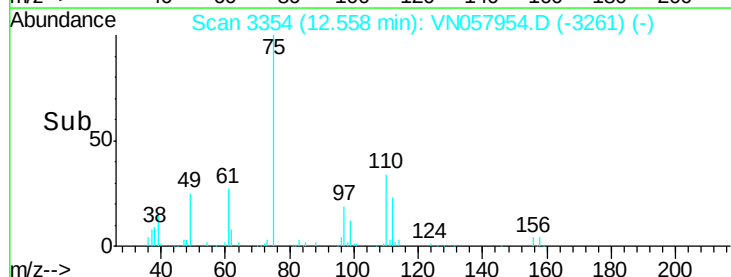
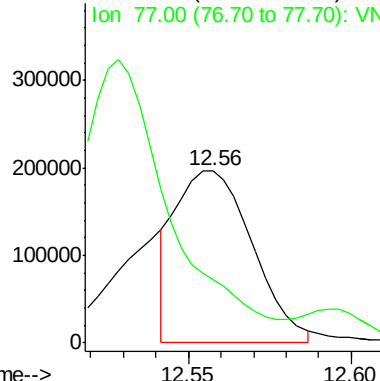
Lab File: VN057954.D

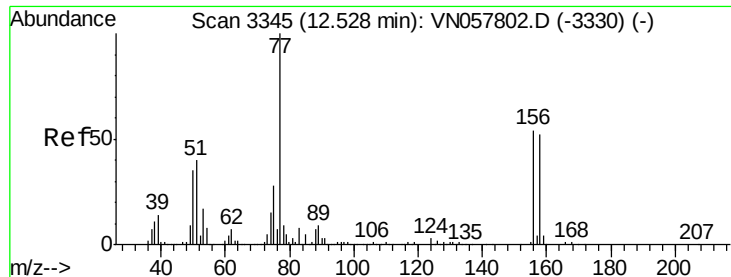
Acq: 12 Sep 2019 8:54

Tgt Ion:	75	Resp:	322395
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3348) (-)





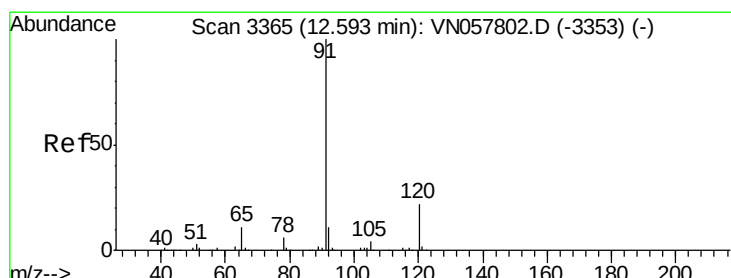
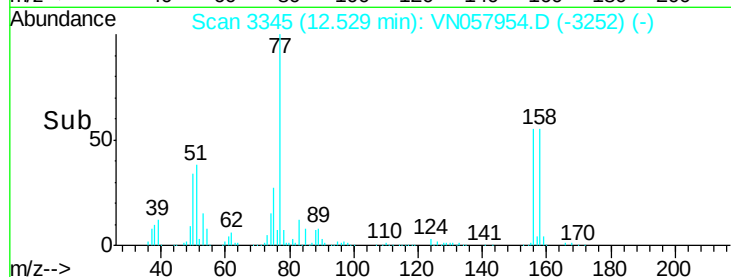
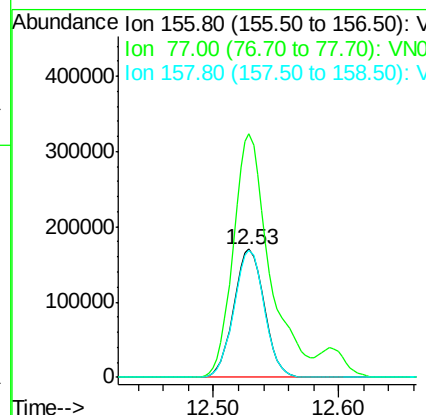
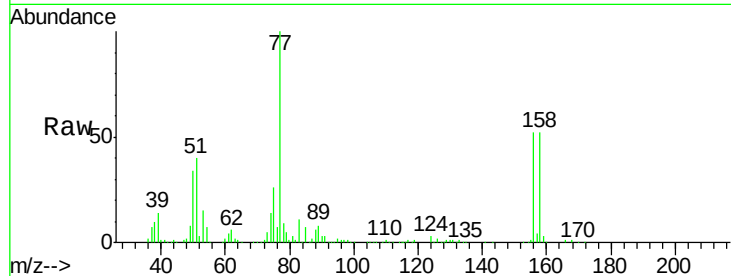
#77
Bromobenzene
Concen: 45.086 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	225.2	113.7	341.1
158	97.9	48.5	145.6

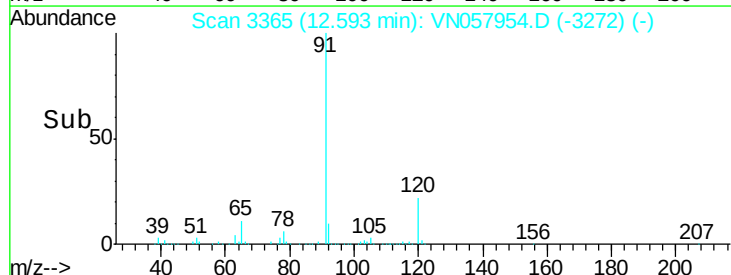
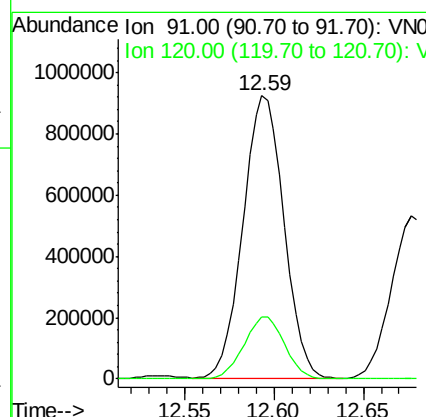
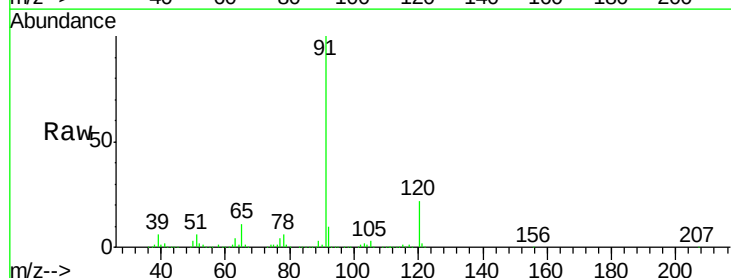
Manual Integrations
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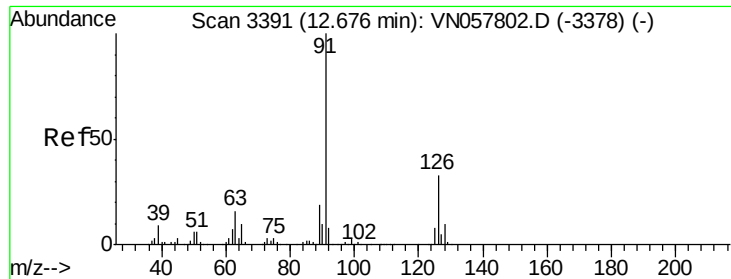
MMDadoda
9/13/2019 1:05:26 PM



#78
n-propylbenzene
Concen: 49.990 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	11.1	33.1





#79

2-Chlorotoluene

Concen: 46.816 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 871130

Ion Ratio Lower Upper

91 100

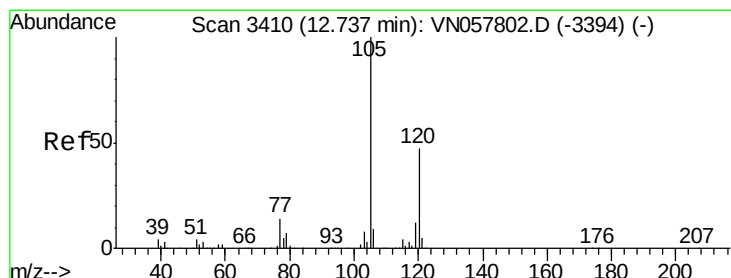
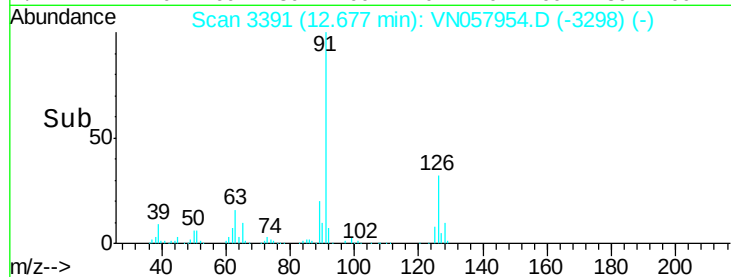
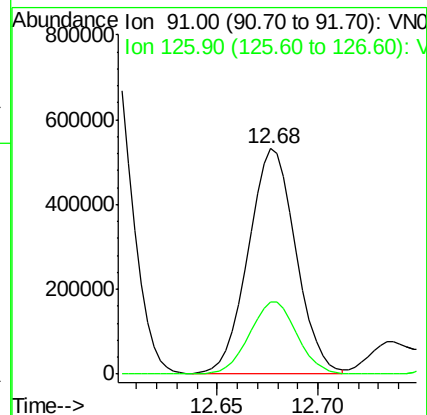
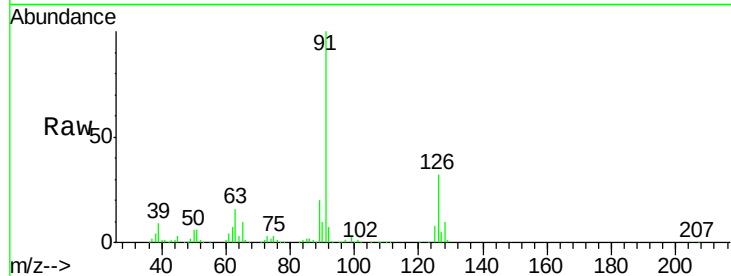
126 32.4 16.4 49.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.512 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057954.D

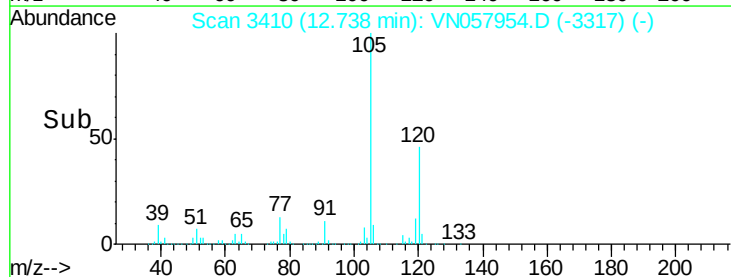
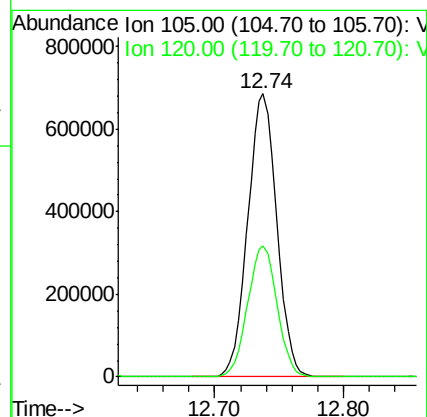
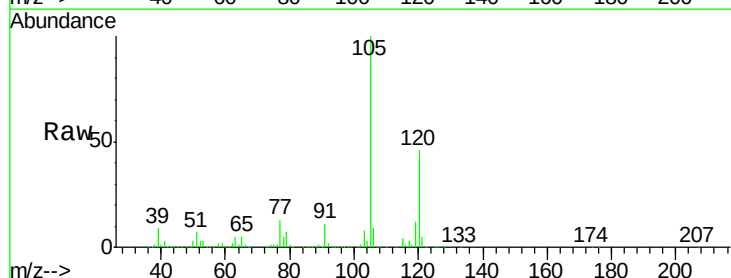
Acq: 12 Sep 2019 8:54

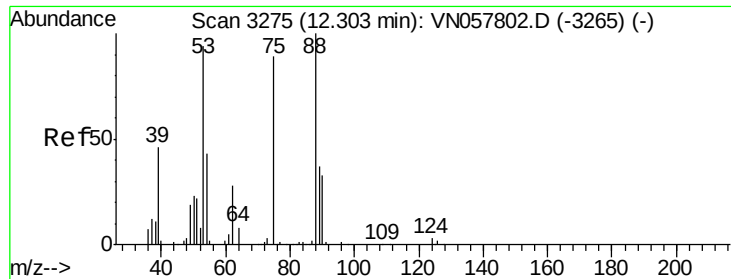
Tgt Ion: 105 Resp: 1072576

Ion Ratio Lower Upper

105 100

120 47.0 23.7 71.1





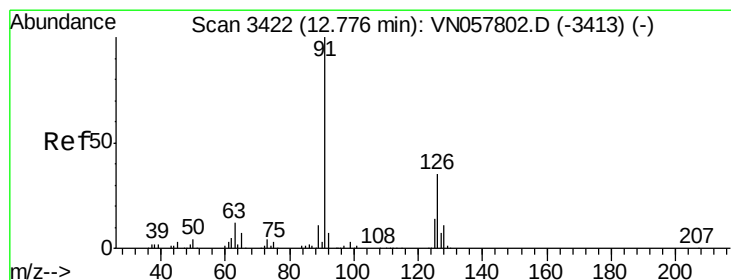
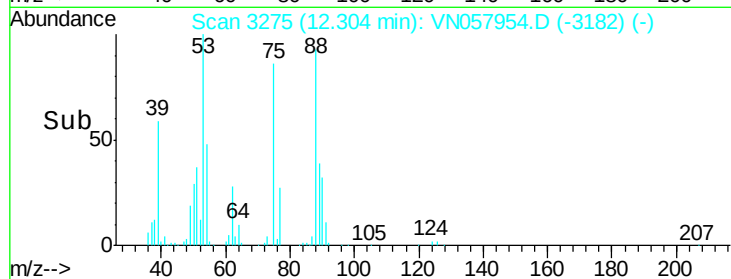
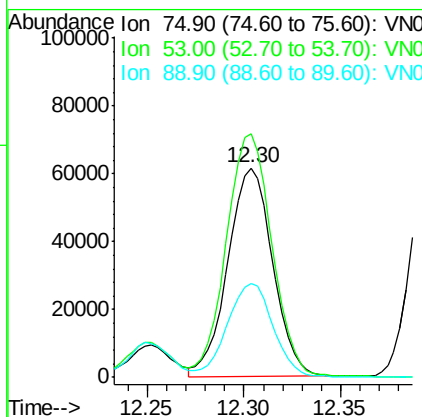
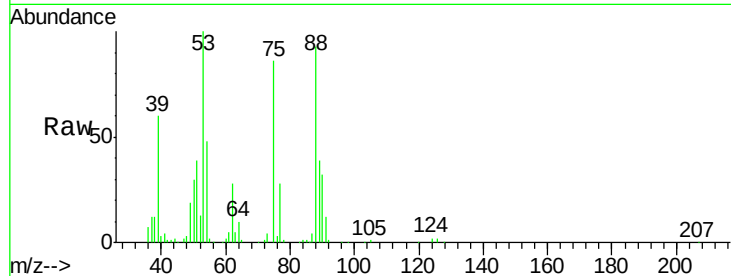
#81
trans-1,4-Dichloro-2-butene
Concen: 46.620 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	119.1	88.4	132.6
89	46.1	35.3	52.9

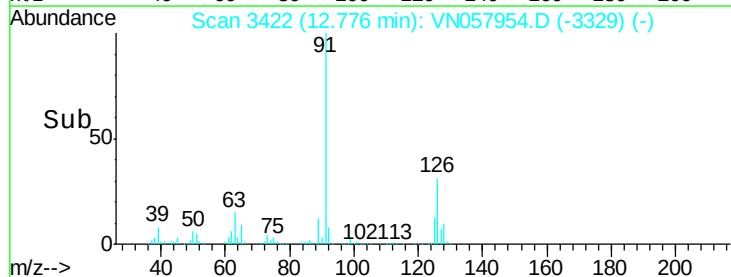
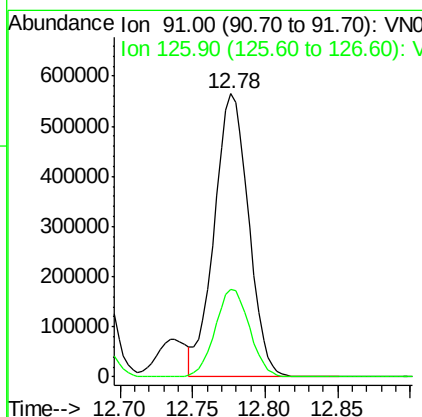
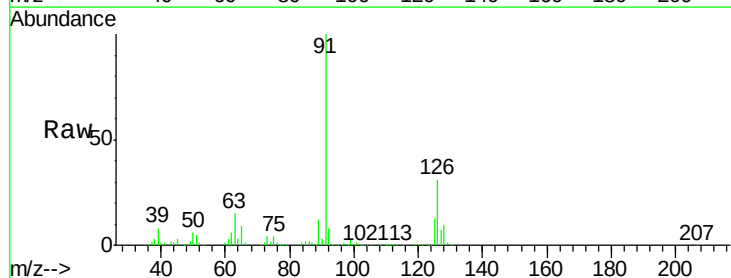
Manual Integrations
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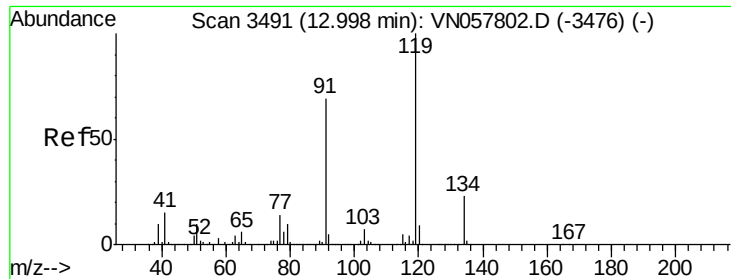
MMDadoda
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#82
4-Chlorotoluene
Concen: 48.572 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	16.0	48.0





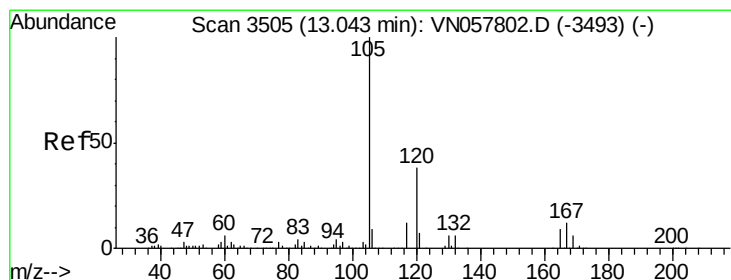
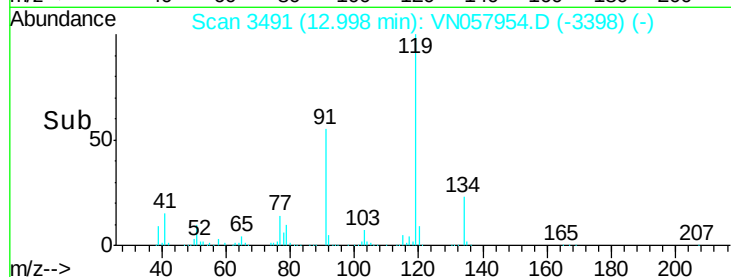
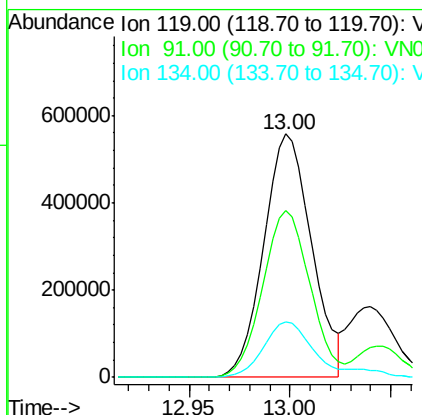
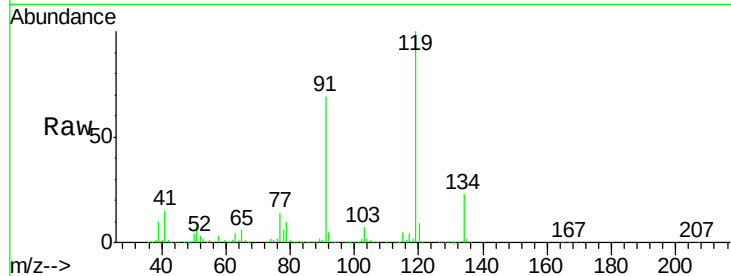
#83
 tert-Butylbenzene
 Concen: 47.829 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.8	33.6	100.8
134	23.1	11.7	35.0

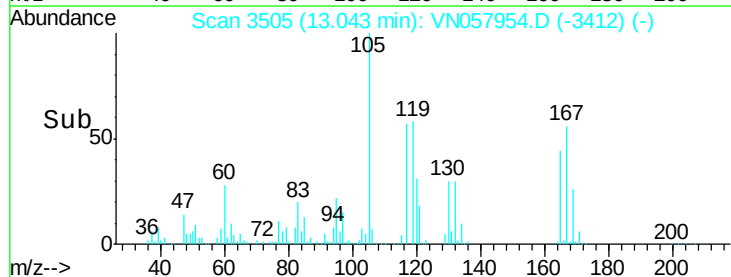
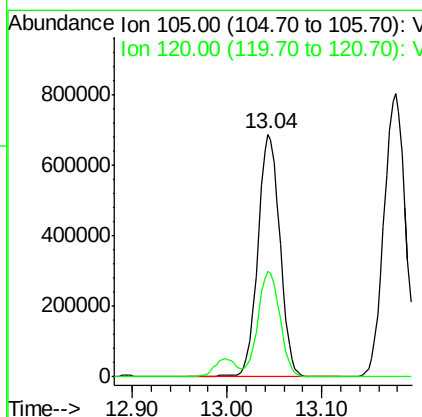
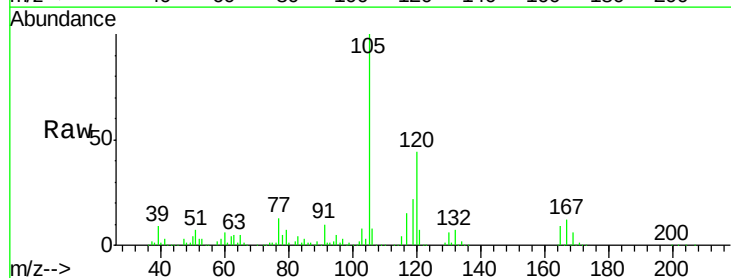
Manual Integrations
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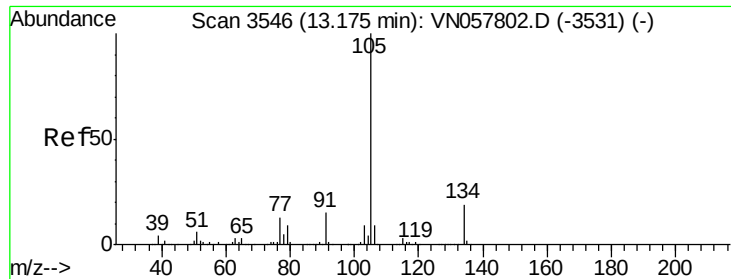
MMDadoda
 9/13/2019 1:05:26 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.362 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.4	67.2





#85

sec-Butylbenzene

Concen: 49.741 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1269529

Ion Ratio Lower Upper

105 100

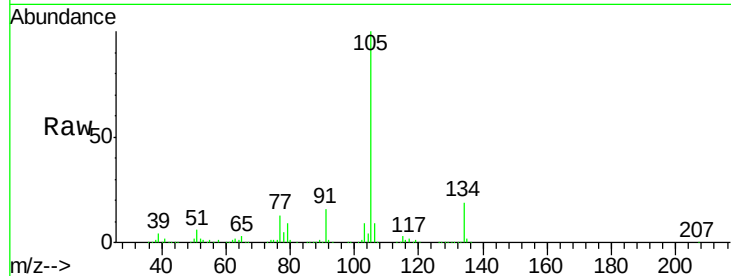
134 19.0 9.6 28.6

Manual Integrations

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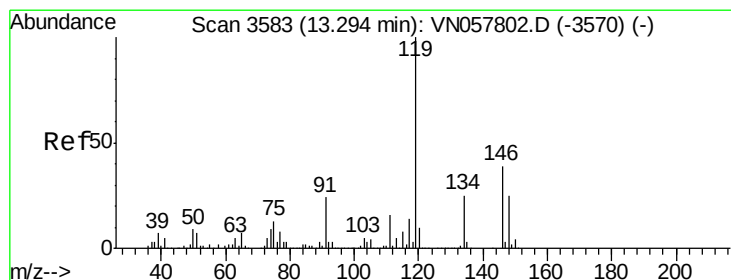
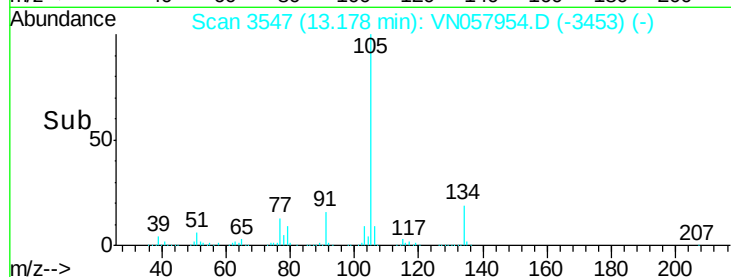
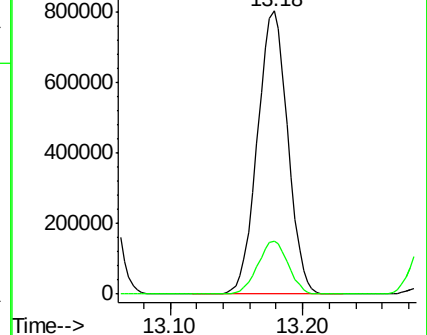
MMDadoda

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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: 51.322 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN057954.D

Acq: 12 Sep 2019 8:54

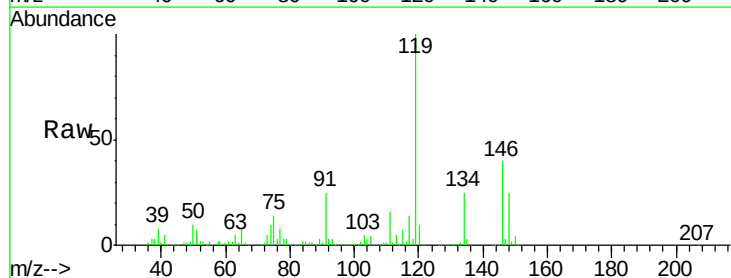
Tgt Ion:119 Resp: 1154137

Ion Ratio Lower Upper

119 100

134 25.1 12.5 37.5

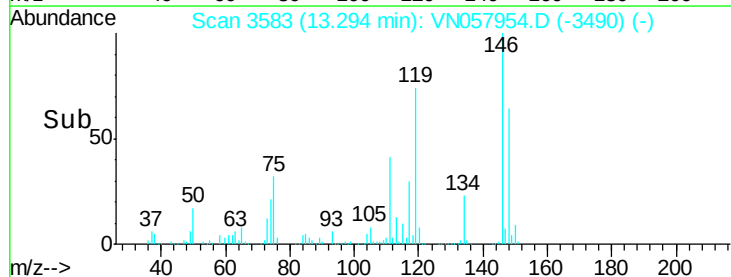
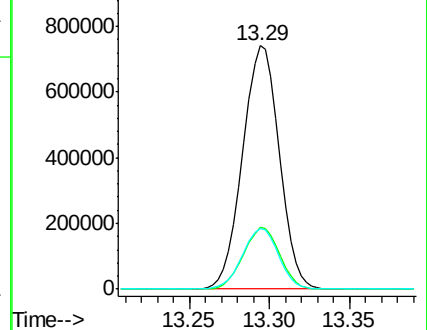
91 24.6 12.3 36.8

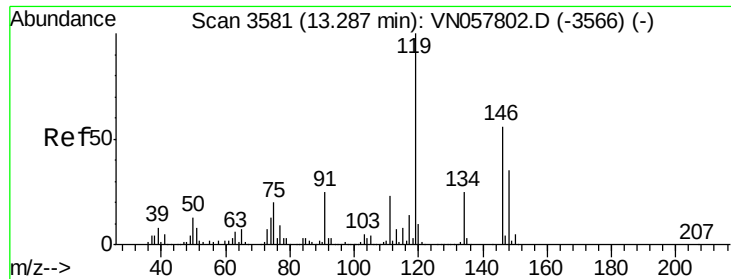


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





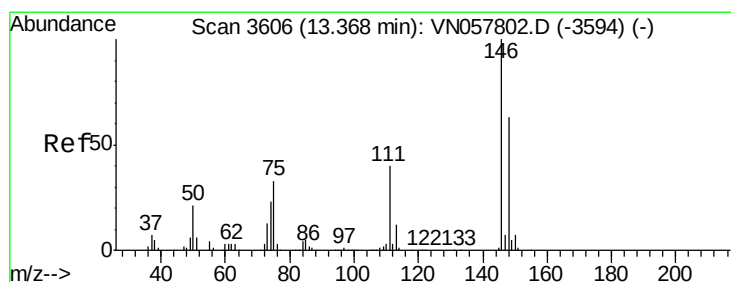
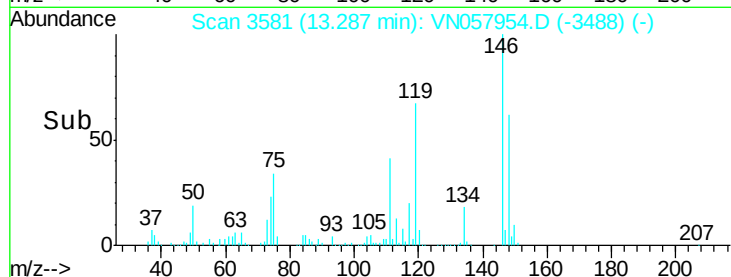
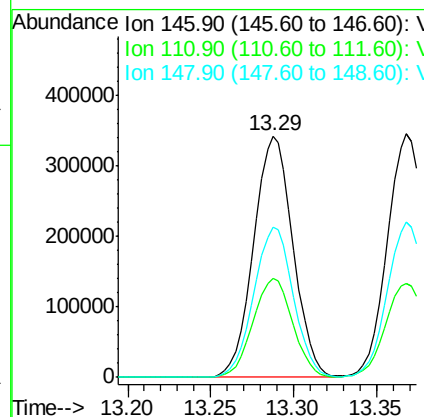
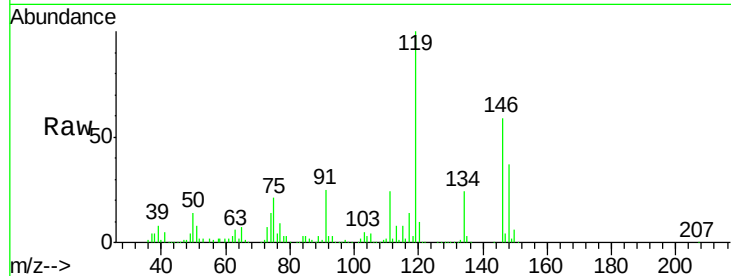
#87
 1,3-Dichlorobenzene
 Concen: 48.096 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	564300		
111	41.4	20.5	61.6	
148	62.7	31.5	94.5	

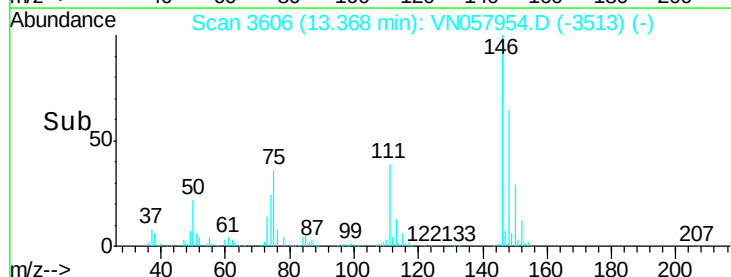
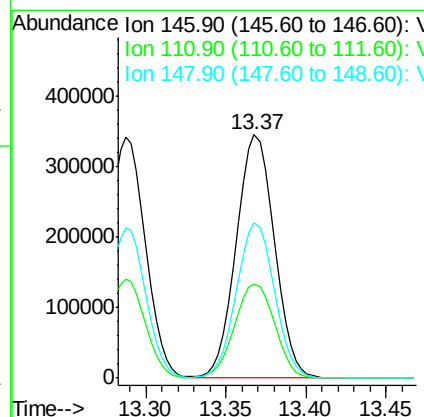
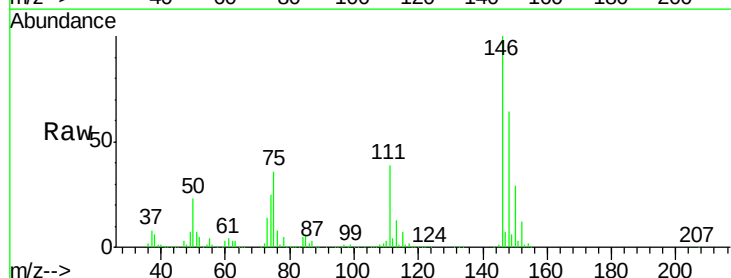
Manual Integrations
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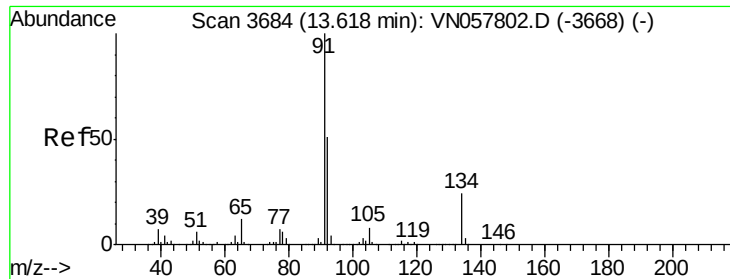
MMDadoda
 9/13/2019 1:05:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 46.941 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	559039		
111	40.7	20.4	61.2	
148	63.9	31.8	95.4	





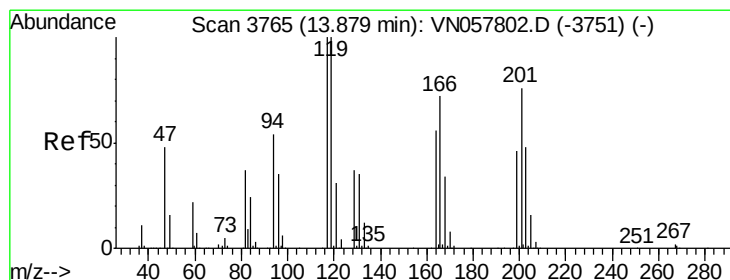
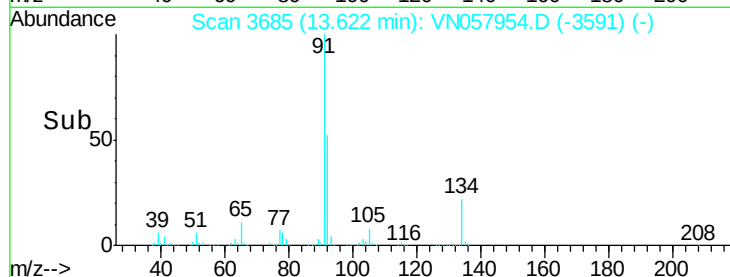
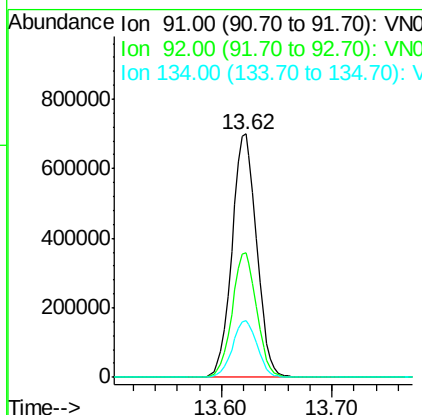
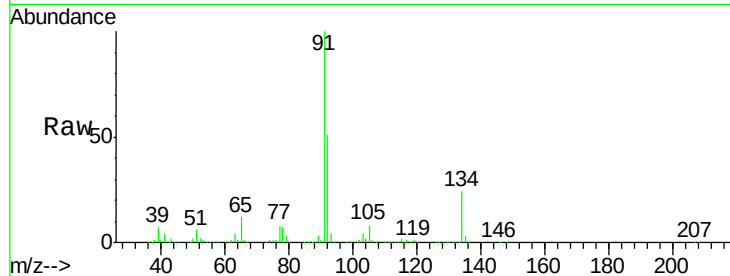
#89
n-Butylbenzene
Concen: 51.025 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1083605
Ion Ratio Lower Upper
91 100
92 50.9 25.7 77.0
134 23.4 11.9 35.7

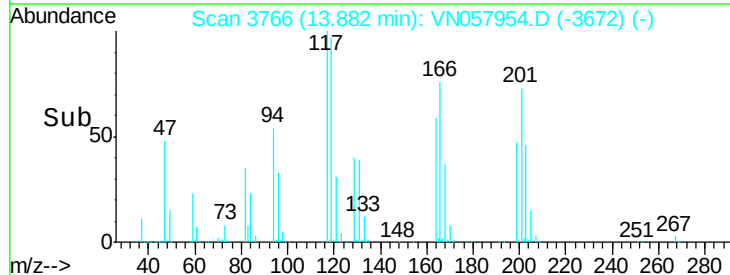
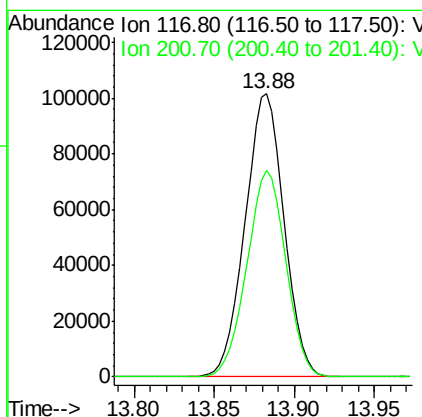
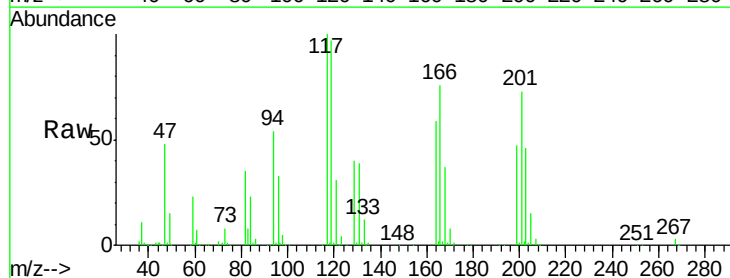
Manual Integrations
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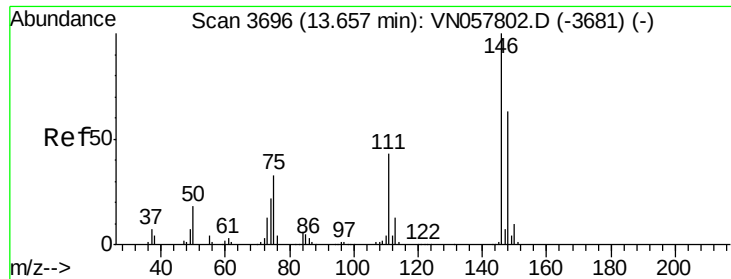
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#90
Hexachloroethane
Concen: 50.676 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion: 117 Resp: 169482
Ion Ratio Lower Upper
117 100
201 73.0 37.5 112.7





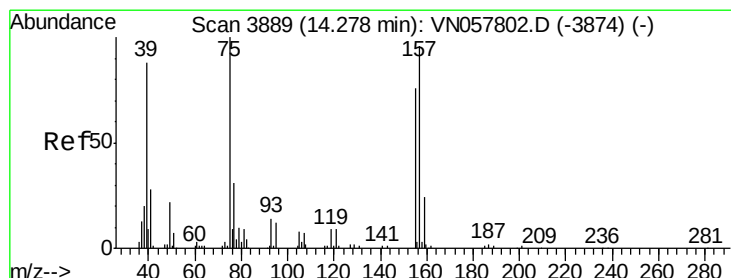
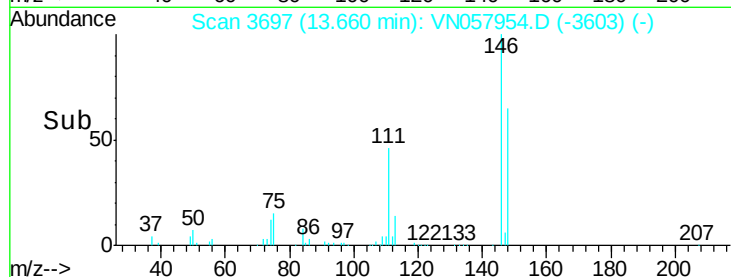
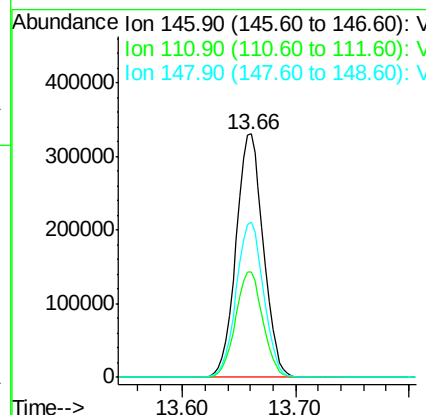
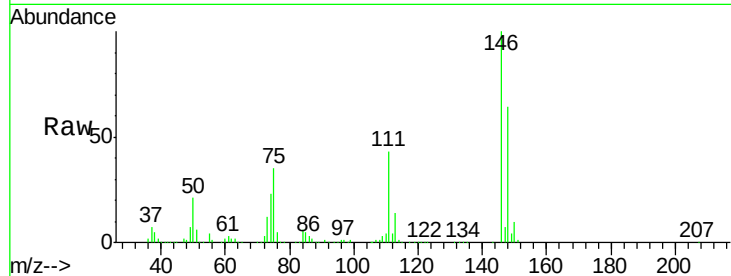
#91
 1,2-Dichlorobenzene
 Concen: 47.277 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	554164		
111	43.3	21.3	63.9	
148	63.9	31.4	94.3	

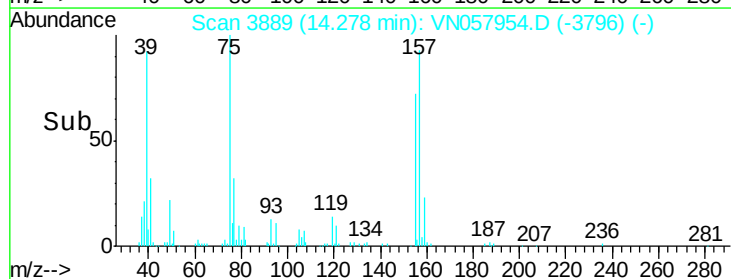
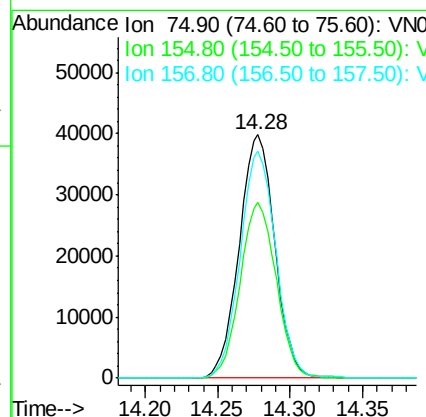
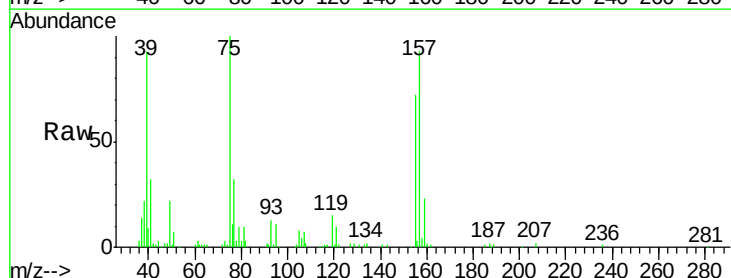
Manual Integrations
 APPROVED

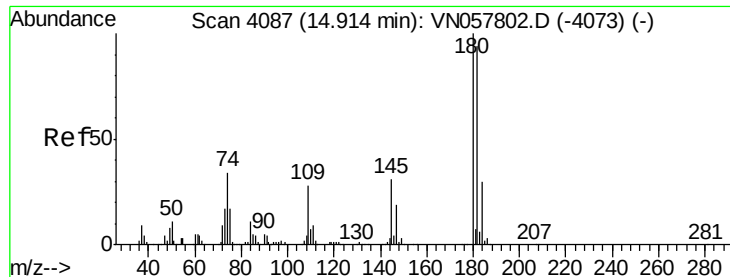
MMDadoda
 9/13/2019 1:05:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.844 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	68206		
155	72.6	37.3	111.8	
157	92.6	47.9	143.8	





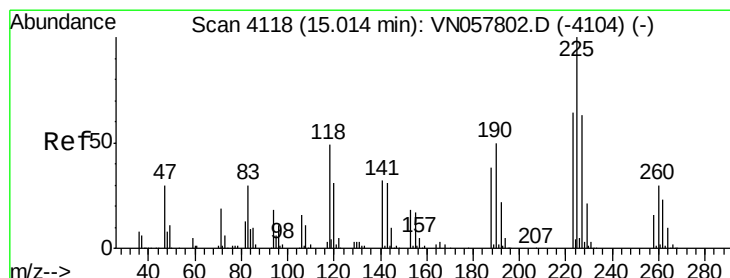
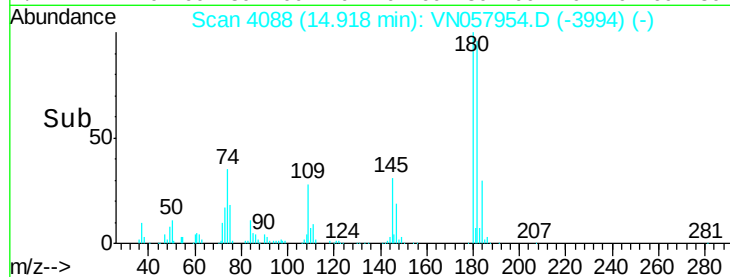
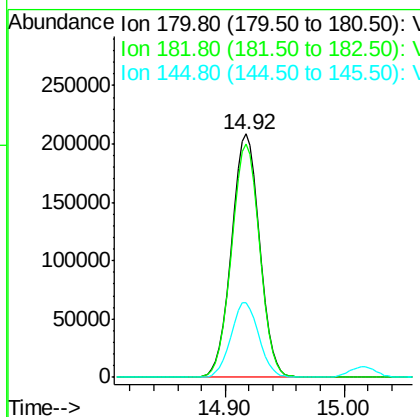
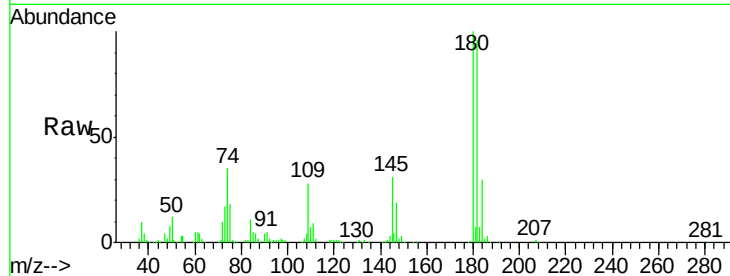
#93
 1,2,4-Trichlorobenzene
 Concen: 44.446 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	340522
Ion Ratio		Lower	Upper
180	100		
182	96.1	46.9	140.8
145	30.6	14.9	44.7

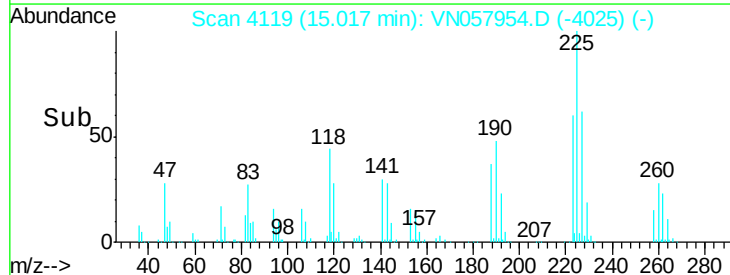
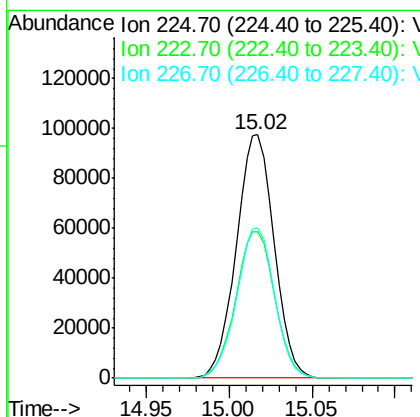
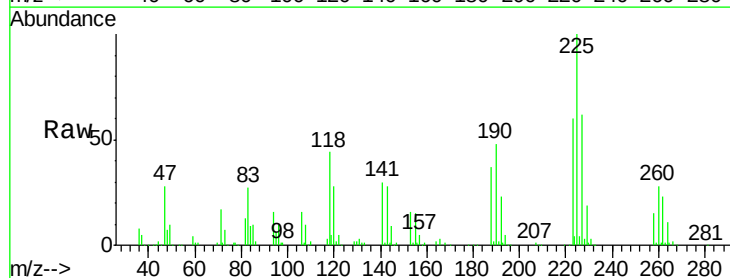
Manual Integrations
 APPROVED

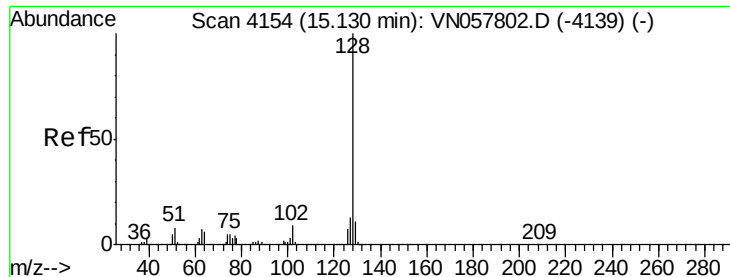
MMDadoda
 9/13/2019 1:05:26 PM



#94
 Hexachlorobutadiene
 Concen: 47.643 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN057954.D
 Acq: 12 Sep 2019 8:54

Tgt Ion:	225	Resp:	154732
Ion Ratio		Lower	Upper
225	100		
223	61.9	32.4	97.2
227	61.8	31.8	95.4





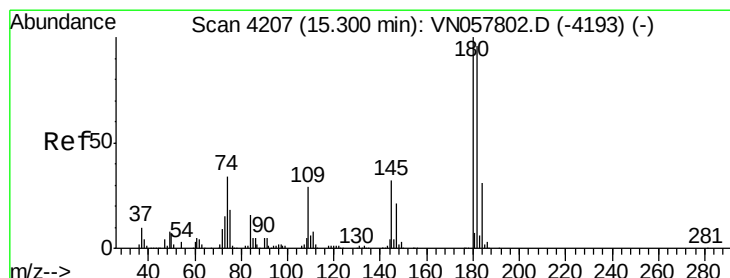
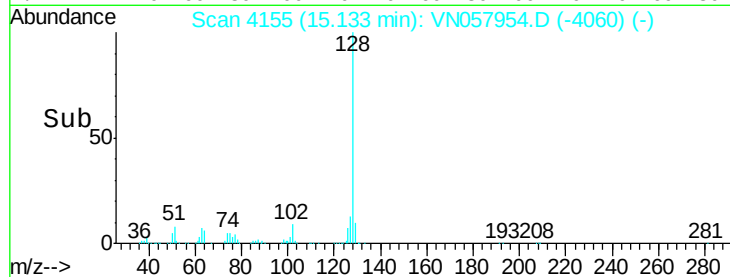
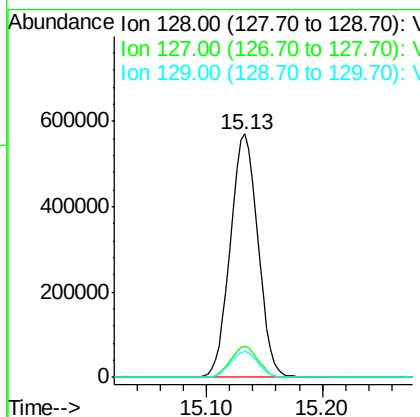
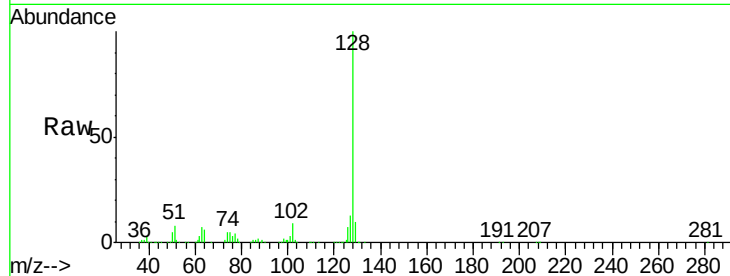
#95
Naphthalene
Concen: 48.282 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	934910		
127	12.9	10.3	15.5	
129	10.6	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 1:05:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.628 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057954.D
Acq: 12 Sep 2019 8:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	318237		
182	95.3	48.3	144.8	
145	31.8	16.3	48.8	

