

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100219\
 Data File : VN058500.D
 Acq On : 3 Oct 2019 1:09
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 1:30:42 PM

Quant Time: Oct 03 06:46:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	332794	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	588502	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	536331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259207	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	262964	54.07	ug/l	0.00
Spiked Amount						
			Recovery	=	108.14%	
35) Dibromofluoromethane	7.57	113	188743	52.33	ug/l	0.00
Spiked Amount						
			Recovery	=	104.66%	
50) Toluene-d8	10.09	98	737866	52.22	ug/l	0.00
Spiked Amount						
			Recovery	=	104.44%	
62) 4-Bromofluorobenzene	12.41	95	273167	53.47	ug/l	0.00
Spiked Amount						
			Recovery	=	106.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	190117	52.100	ug/l	98
3) Chloromethane	2.03	50	242562	60.463	ug/l	99
4) Vinyl Chloride	2.17	62	212144	53.982	ug/l	99
5) Bromomethane	2.54	94	97982	46.939	ug/l	97
6) Chloroethane	2.68	64	127747	54.251	ug/l	95
7) Trichlorofluoromethane	3.00	101	250955	52.916	ug/l	97
8) Diethyl Ether	3.39	74	109648	53.586	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	169067	52.492	ug/l	99
10) Methyl Iodide	3.93	142	171047	47.895	ug/l	98
11) Tert butyl alcohol	4.76	59	164285	304.081	ug/l	98
12) 1,1-Dichloroethene	3.72	96	162519	51.767	ug/l	98
13) Acrolein	3.59	56	72172	420.002	ug/l	99
14) Allyl chloride	4.30	41	301223	52.724	ug/l	97
15) Acrylonitrile	4.96	53	487328	309.497	ug/l	100
16) Acetone	3.80	43	409531	247.028	ug/l	98
17) Carbon Disulfide	4.03	76	417935	50.502	ug/l	98
18) Methyl Acetate	4.30	43	244782	58.706	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	604399	54.564	ug/l	99
20) Methylene Chloride	4.53	84	249238	65.146	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	179820	51.508	ug/l	96
22) Diisopropyl ether	5.93	45	689412	56.075	ug/l	97
23) Vinyl Acetate	5.87	43	2812216	303.363	ug/l	99
24) 1,1-Dichloroethane	5.83	63	380821	55.038	ug/l	99
25) 2-Butanone	6.82	43	660936	290.374	ug/l	97
26) 2,2-Dichloropropane	6.81	77	218168	38.353	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	219937	53.903	ug/l	97
28) Bromochloromethane	7.18	49	155367	56.174	ug/l	97
29) Tetrahydrofuran	7.19	42	443558	307.034	ug/l	99
30) Chloroform	7.36	83	390241	55.657	ug/l	98
31) Cyclohexane	7.64	56	340553	50.598	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	323223	56.137	ug/l	99
36) 1,1-Dichloropropene	7.78	75	284254	50.514	ug/l	99
37) Ethyl Acetate	6.91	43	282335	59.178	ug/l	98
38) Carbon Tetrachloride	7.76	117	268243	52.810	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	333453	50.743	ug/l	99
40) Benzene	8.03	78	845947	52.299	ug/l	100
41) Methacrylonitrile	7.16	41	107531m	48.992	ug/l	
42) 1,2-Dichloroethane	8.11	62	330029	52.443	ug/l	100
43) Isopropyl Acetate	8.15	43	483243	53.864	ug/l	99
44) Trichloroethene	8.82	130	203040	50.836	ug/l	94
45) 1,2-Dichloropropane	9.11	63	233376	53.797	ug/l	98
46) Dibromomethane	9.20	93	147555	53.710	ug/l	98
47) Bromodichloromethane	9.39	83	302303	58.077	ug/l	98
48) Methyl methacrylate	9.19	41	230596	56.447	ug/l	99
49) 1,4-Dioxane	9.19	88	78918	1444.745	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1469299	318.831	ug/l	98
52) Toluene	10.15	92	524088	51.476	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	309415	54.614	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	334870	53.248	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	204903	55.272	ug/l	99
56) Ethyl methacrylate	10.43	69	326337	58.013	ug/l	98
57) 1,3-Dichloropropane	10.71	76	368039	55.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	706854	315.131	ug/l	98
59) 2-Hexanone	10.75	43	1048501	312.463	ug/l	100
60) Dibromochloromethane	10.90	129	210671	54.932	ug/l	100
61) 1,2-Dibromoethane	11.00	107	210673	55.617	ug/l	99
64) Tetrachloroethene	10.63	164	175707	51.565	ug/l	98
65) Chlorobenzene	11.44	112	556925	52.239	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	198864	55.364	ug/l	99
67) Ethyl Benzene	11.51	91	1043679	54.048	ug/l	99
68) m/p-Xylenes	11.63	106	752123	103.523	ug/l	96
69) o-Xylene	11.95	106	365252	52.225	ug/l	96
70) Styrene	11.97	104	628225	55.292	ug/l	99
71) Bromoform	12.13	173	136307	54.844	ug/l	# 99
73) Isopropylbenzene	12.26	105	1008244	52.633	ug/l	100
74) N-amyl acetate	12.07	43	419698	55.073	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	317280	56.012	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	275378m	58.165	ug/l	
77) Bromobenzene	12.53	156	228552	50.884	ug/l	96
78) n-propylbenzene	12.60	91	1179557	54.656	ug/l	99
79) 2-Chlorotoluene	12.68	91	698108	52.408	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	861860	53.747	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.31	75	76506	49.078	ug/l	91
82) 4-Chlorotoluene	12.78	91	716571	52.718	ug/l	100
83) tert-Butylbenzene	13.00	119	716087	52.922	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	869626	54.128	ug/l	100
85) sec-Butylbenzene	13.18	105	989915	55.584	ug/l	100
86) p-Isopropyltoluene	13.30	119	880180	56.146	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	421524	51.755	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	412482	50.903	ug/l	99
89) n-Butylbenzene	13.62	91	794894	55.976	ug/l	99
90) Hexachloroethane	13.88	117	141034	59.877	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	410812	52.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	58908	58.973	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	241887	55.936	ug/l	99
94) Hexachlorobutadiene	15.02	225	120653	54.283	ug/l	99
95) Naphthalene	15.14	128	672658	53.117	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	232786	53.695	ug/l	99

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

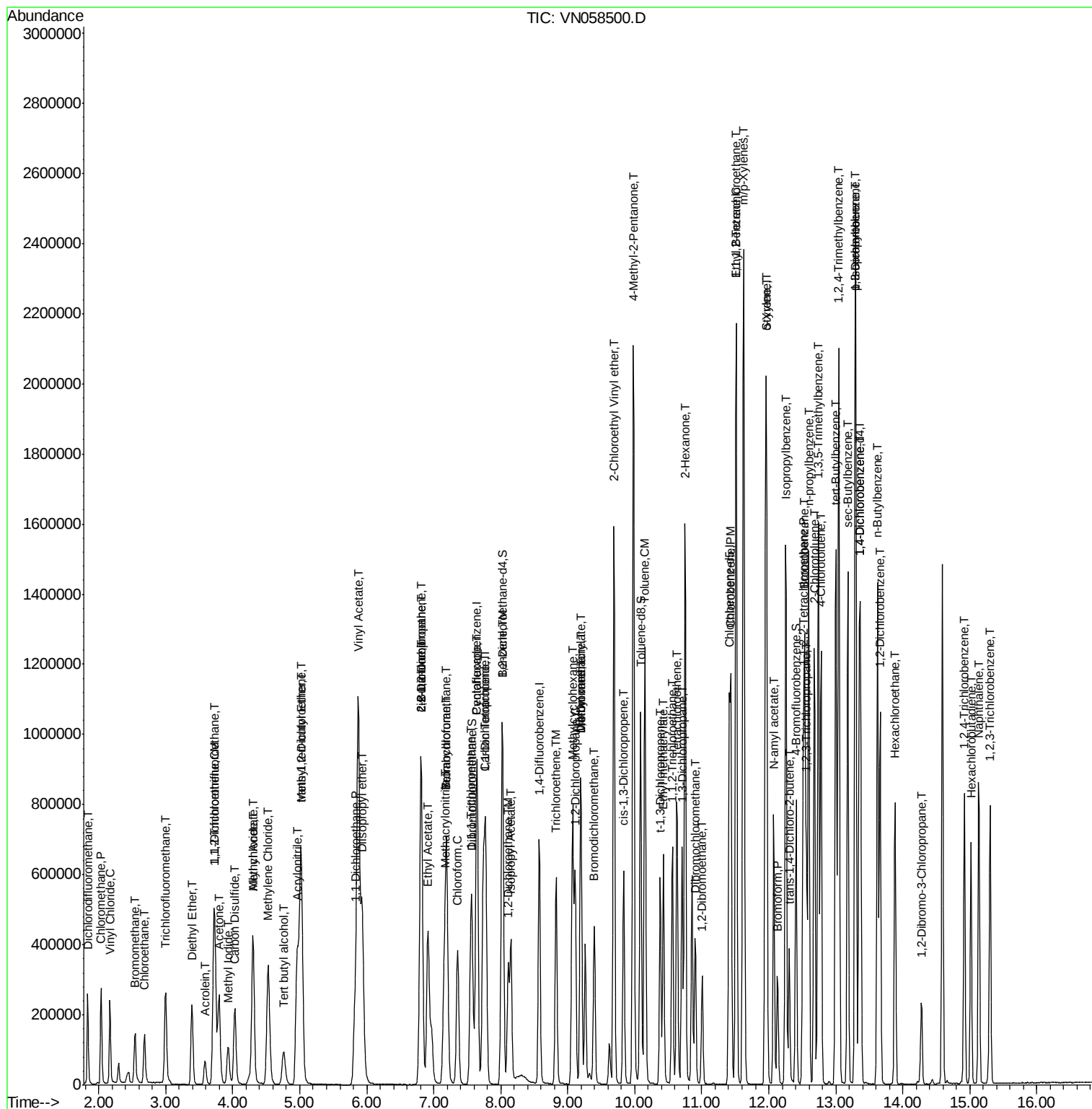
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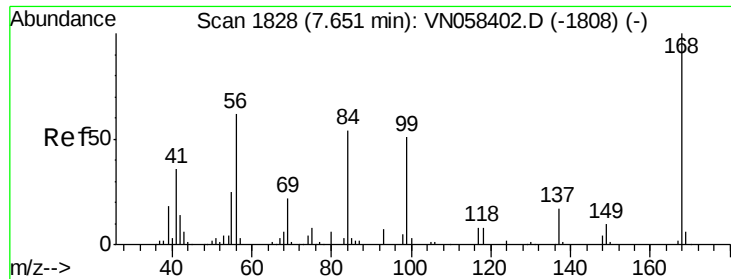
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 332794

Ion Ratio Lower Upper

168 100

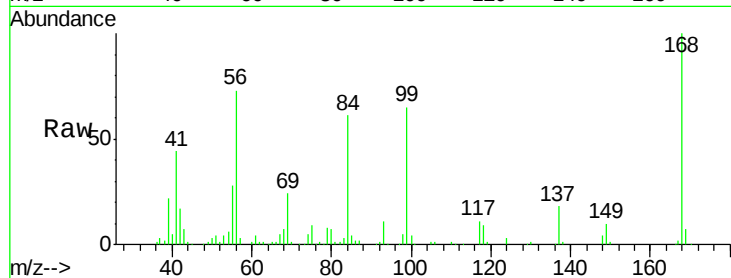
99 64.2 47.7 71.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

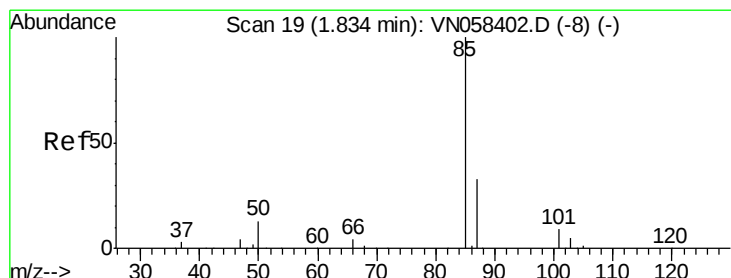
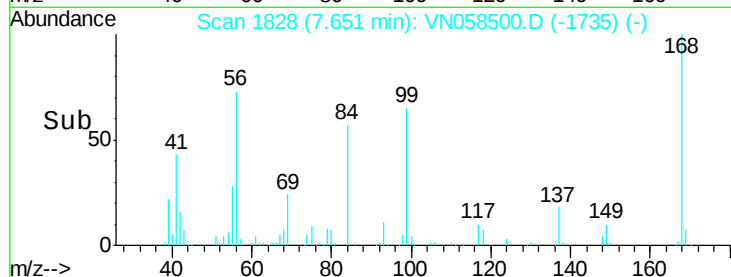
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 52.100 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058500.D

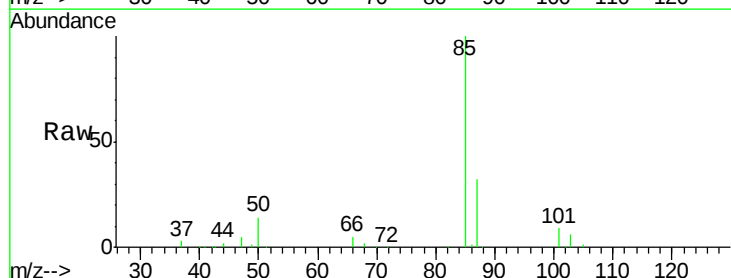
Acq: 3 Oct 2019 1:09

Tgt Ion: 85 Resp: 190117

Ion Ratio Lower Upper

85 100

87 31.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

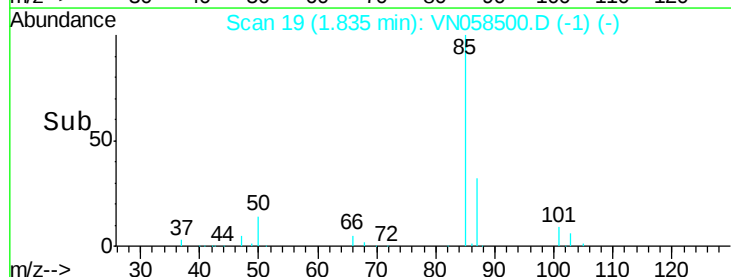
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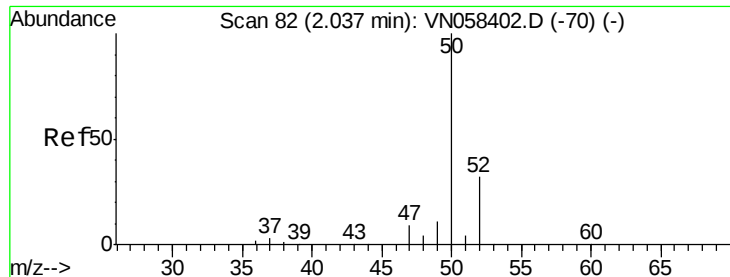
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 60.463 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tot Ion: 50 Resp: 242562

Ion Ratio Lower Upper

50 100

52 32.8 25.9 38.9

Instrument :

MSVOA_N

ClientSampleId :

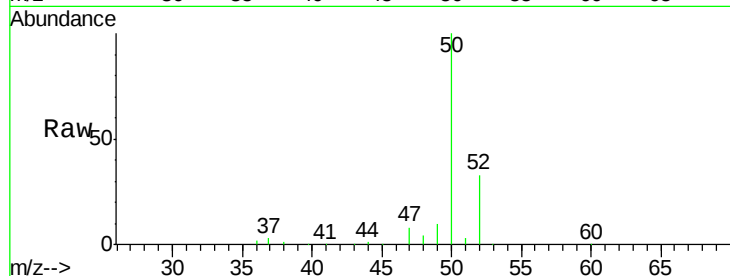
VSTDCCC050EC

Manual Integrations

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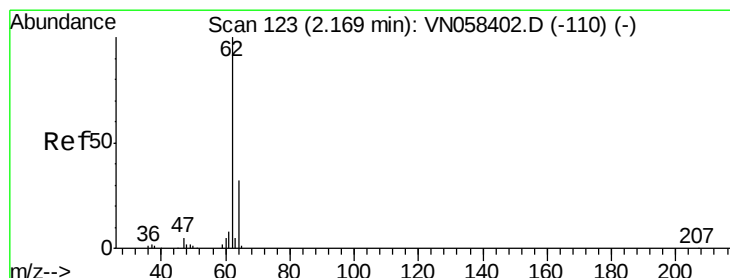
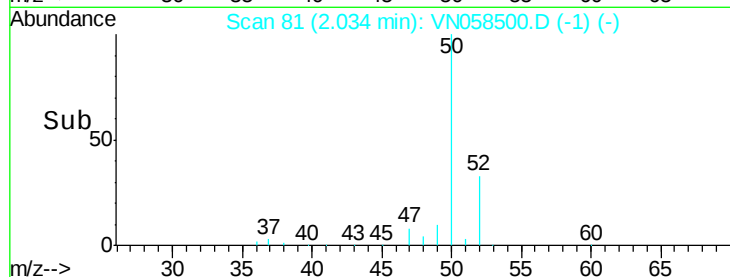
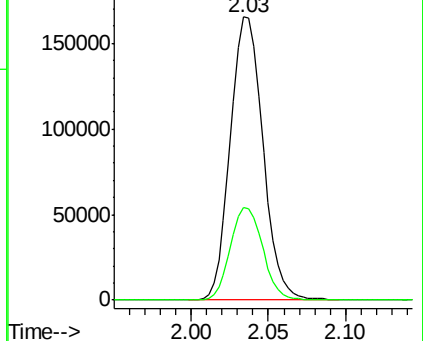
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 53.982 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058500.D

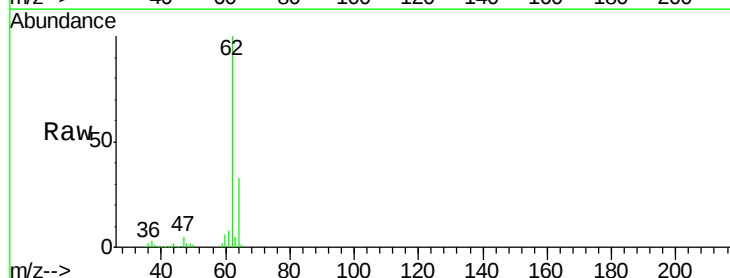
Acq: 3 Oct 2019 1:09

Tgt Ion: 62 Resp: 212144

Ion Ratio Lower Upper

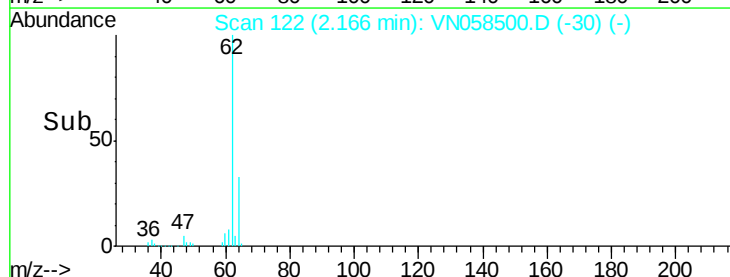
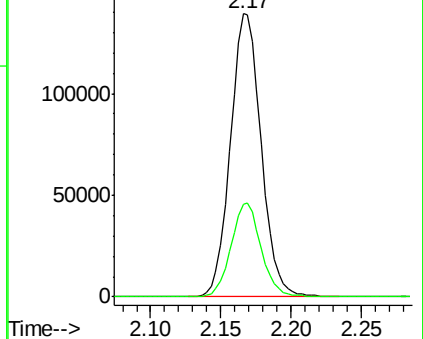
62 100

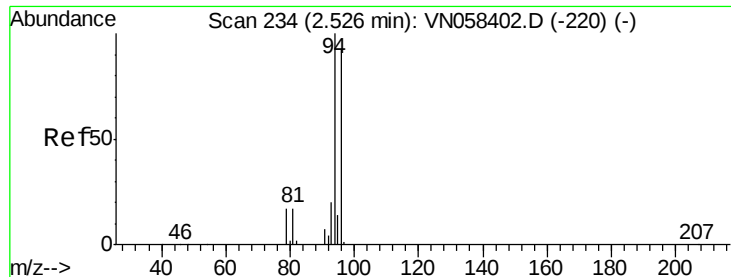
64 32.5 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.939 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.02 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

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Tot Ion: 94 Resp: 97982

Ion Ratio Lower Upper

94 100

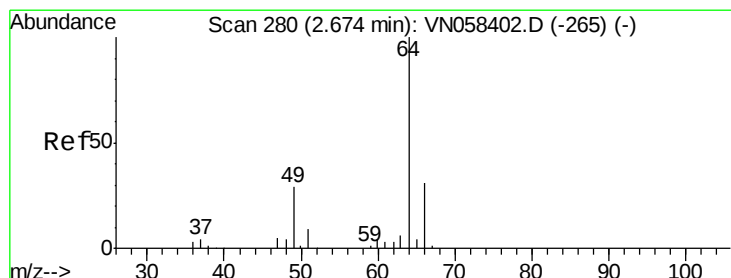
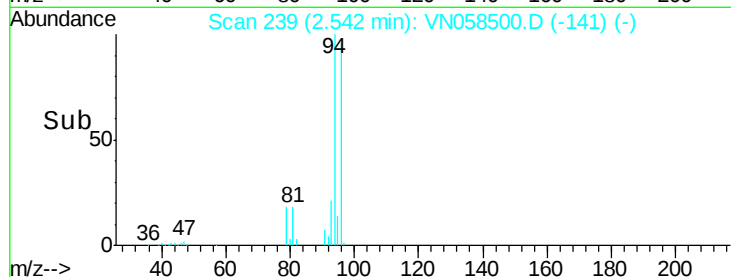
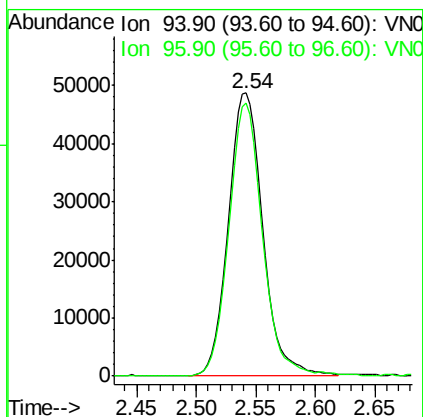
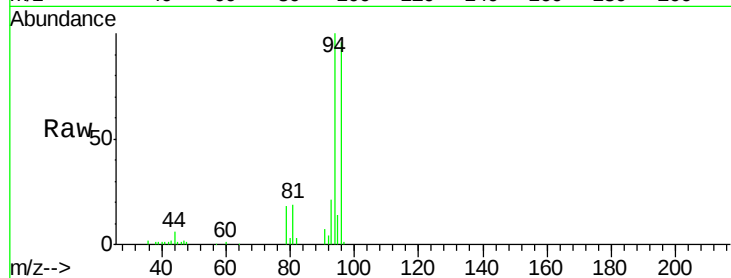
96 96.4 74.8 112.2

Manual Integrations

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#6

Chloroethane

Concen: 54.251 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.01 min

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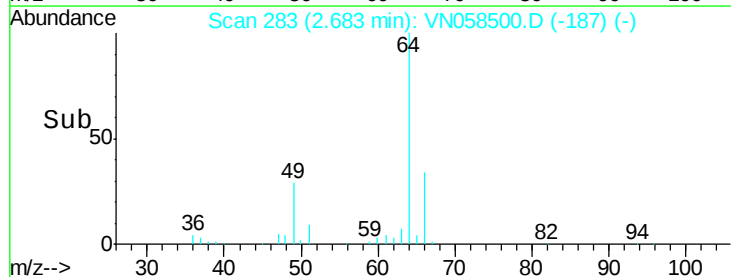
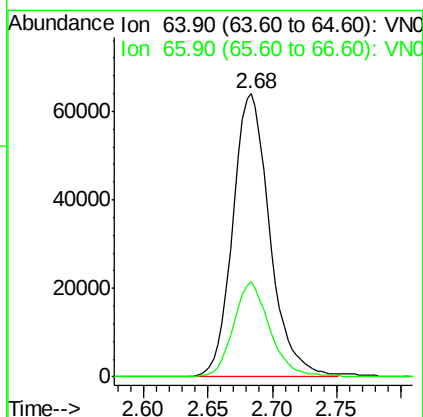
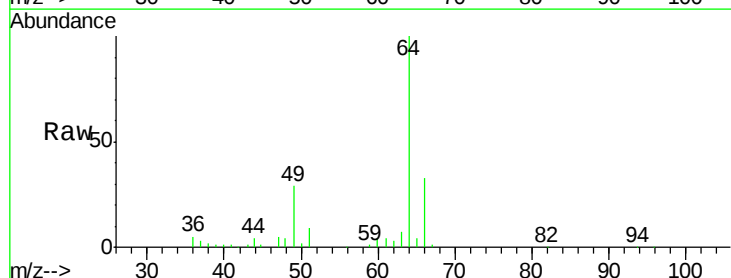
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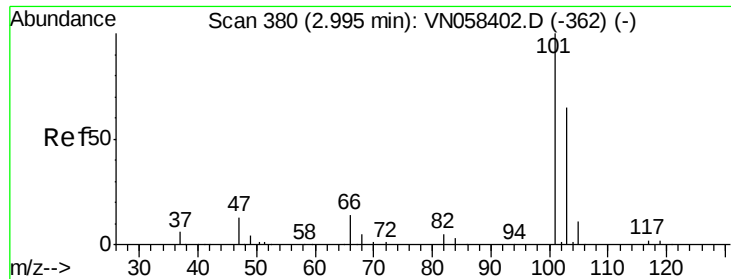
Tgt Ion: 64 Resp: 127747

Ion Ratio Lower Upper

64 100

66 33.5 24.4 36.6





#7

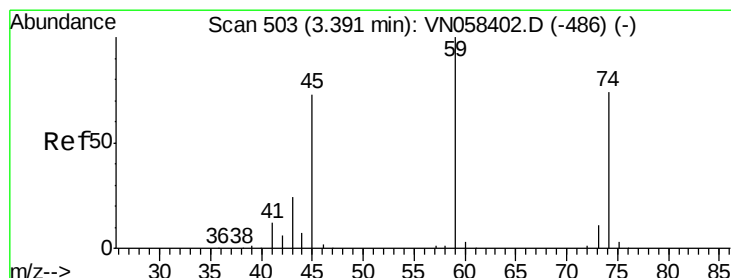
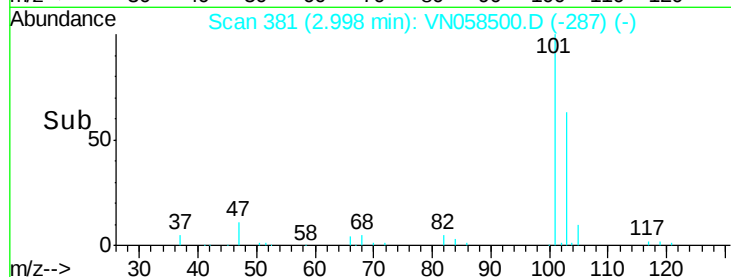
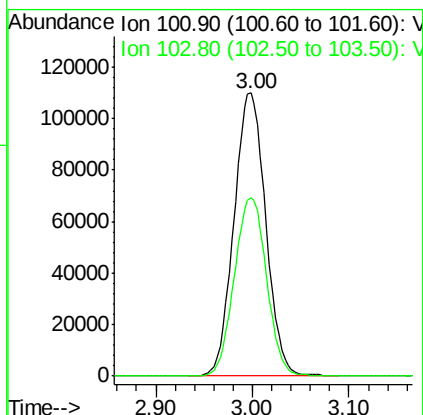
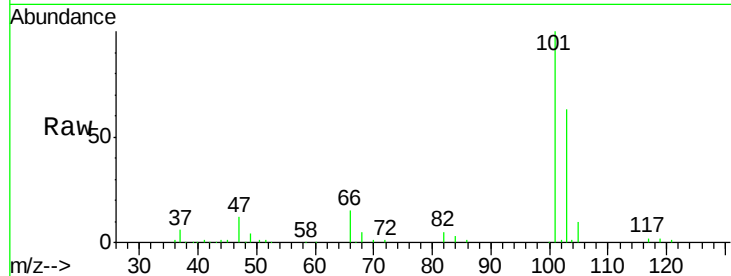
Trichlorofluoromethane
 Concen: 52.916 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058500.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.3	78.5

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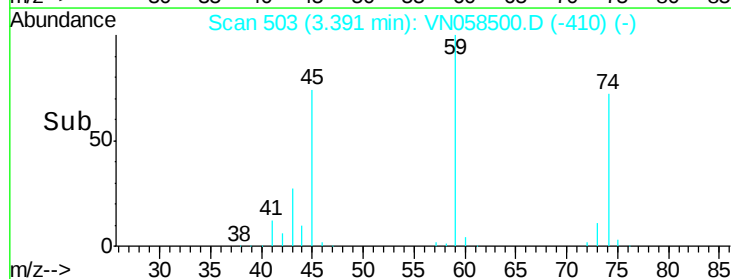
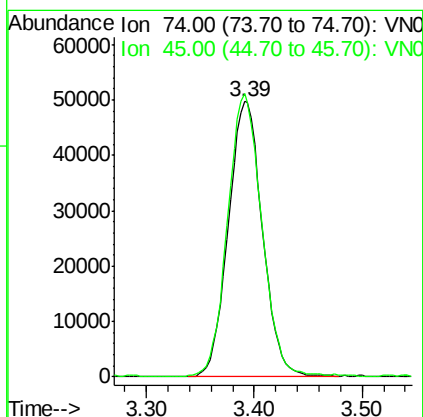
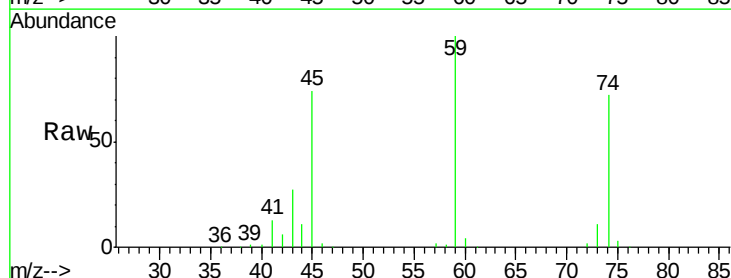
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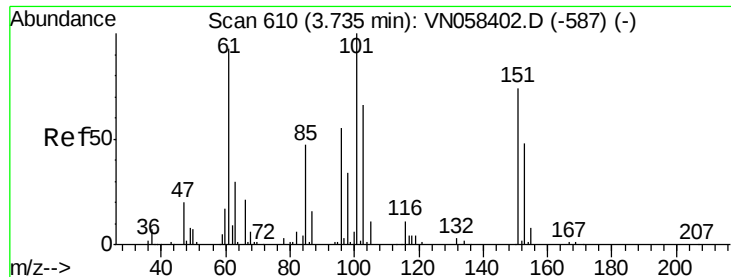


#8

Diethyl Ether
 Concen: 53.586 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.2	50.5	151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.492 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

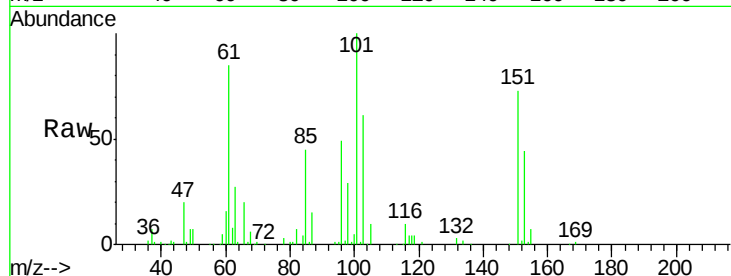
ClientSampleId :

VSTDCCC050EC

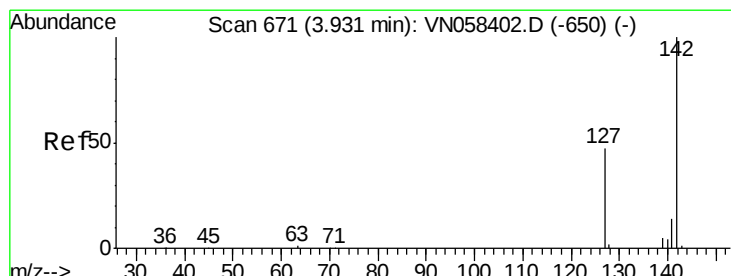
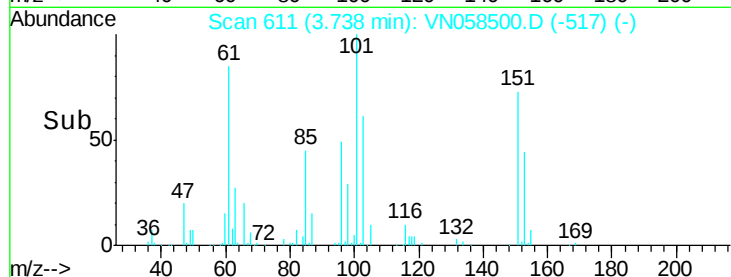
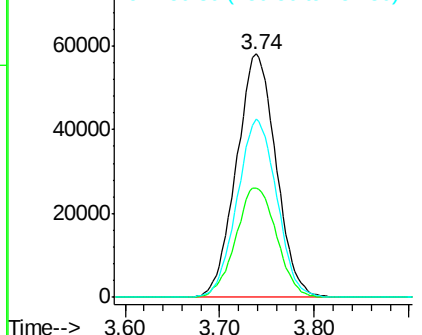
Tot Ion:	101	Resp:	169067
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.7	55.1
151	73.1	59.4	89.0

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



#10

Methyl Iodide

Concen: 47.895 ug/l

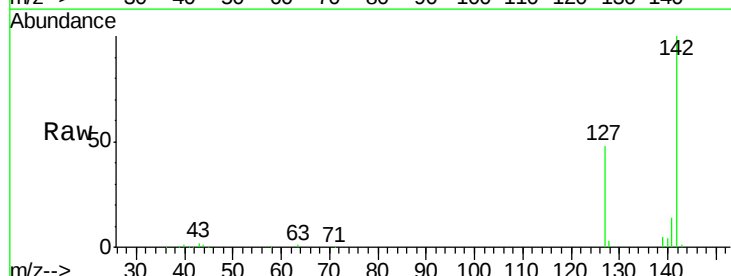
RT: 3.93 min Scan# 672

Delta R.T. 0.00 min

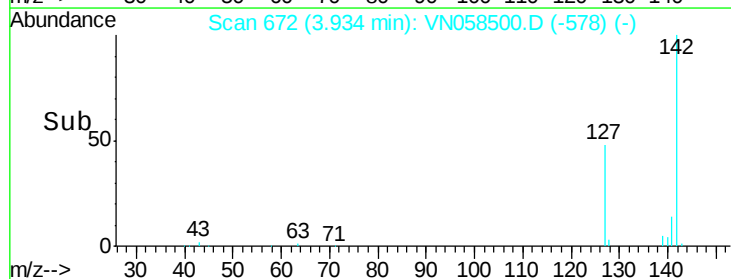
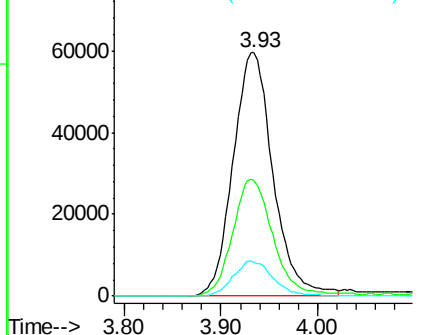
Lab File: VN058500.D

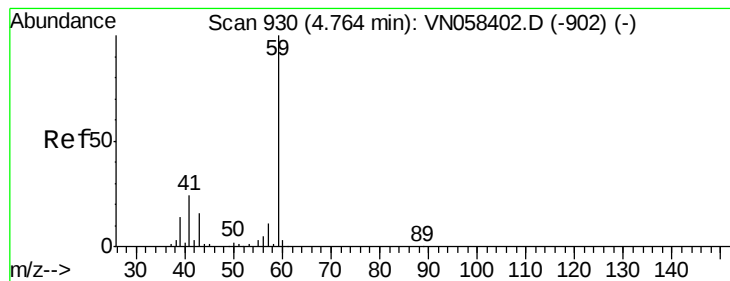
Acq: 3 Oct 2019 1:09

Tgt Ion:	142	Resp:	171047
Ion Ratio	Lower	Upper	
142	100		
127	48.1	37.2	55.8
141	14.4	11.3	16.9



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





#11

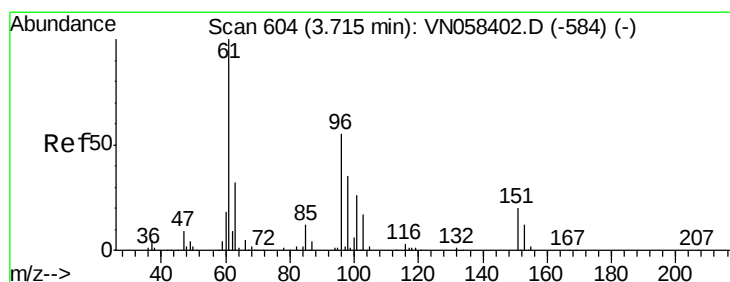
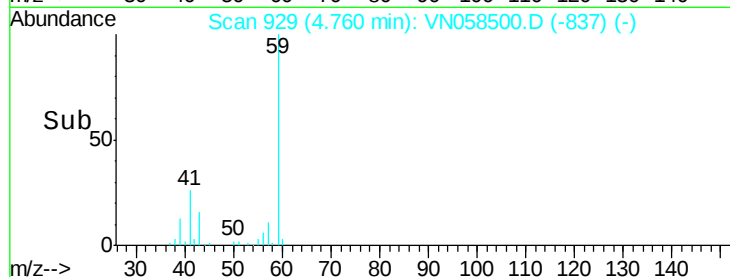
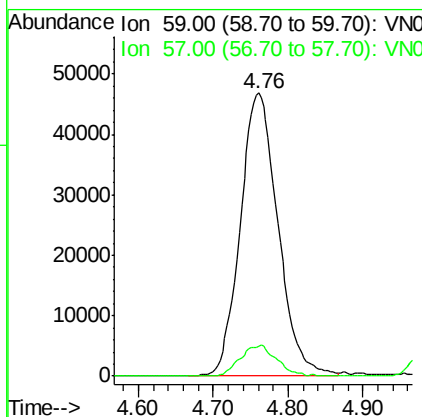
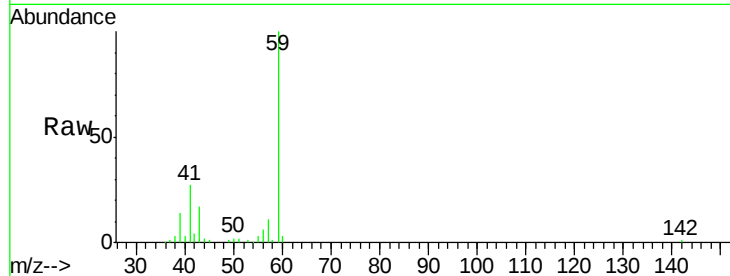
Tert butyl alcohol
 Concen: 304.081 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. -0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

Manual Integrations
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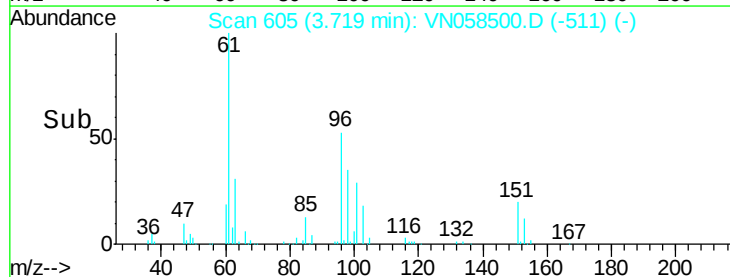
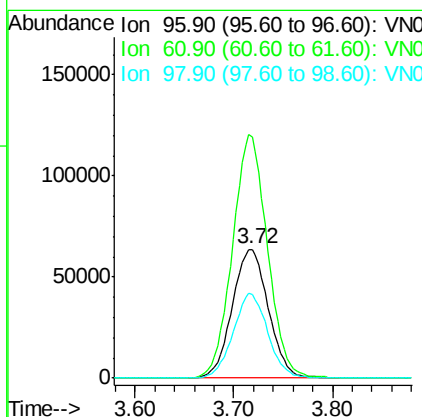
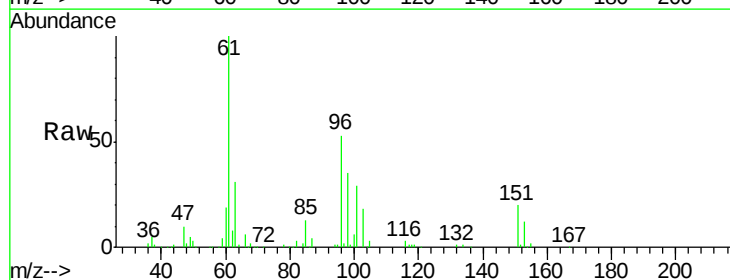
MMDadoda
 10/3/2019 1:30:42 PM

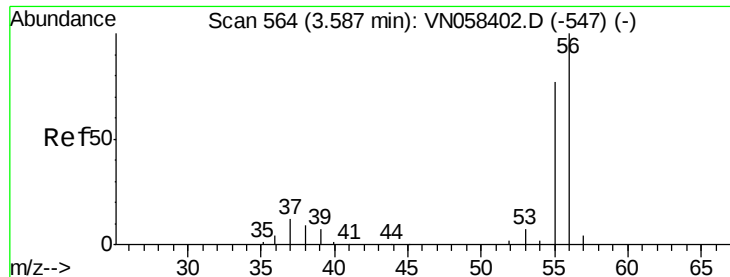


#12

1,1-Dichloroethene
 Concen: 51.767 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	187.4	146.7	220.1
98	64.8	51.3	76.9





#13

Acrolein

Concen: 420.002 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 72172

Ion Ratio Lower Upper

56 100

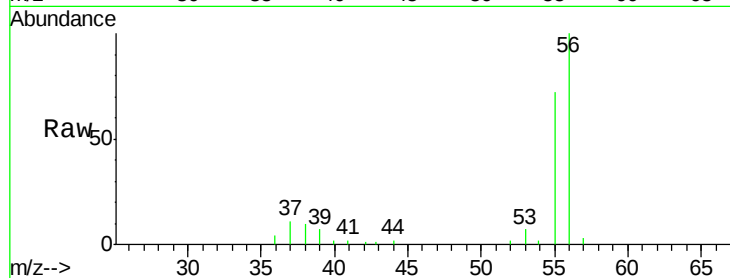
55 73.6 58.3 87.5

Manual Integrations

APPROVED

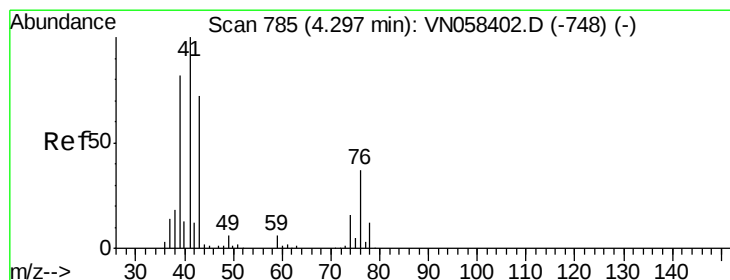
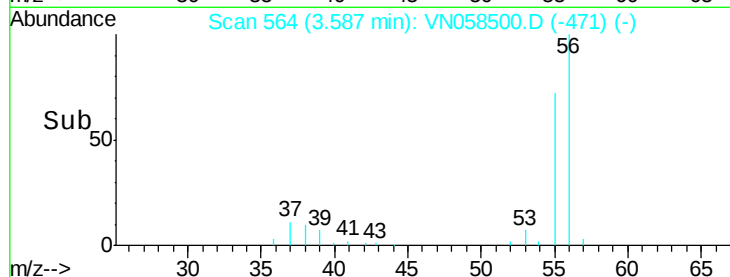
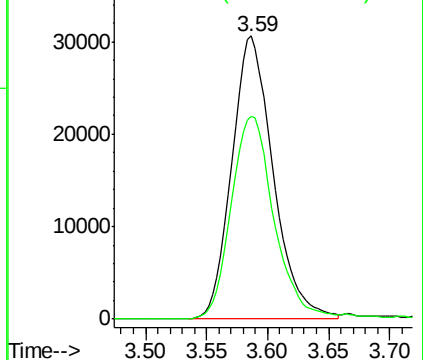
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 52.724 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

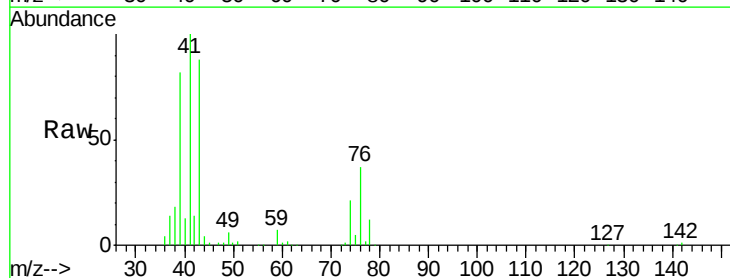
Tgt Ion: 41 Resp: 301223

Ion Ratio Lower Upper

41 100

39 75.6 62.3 93.5

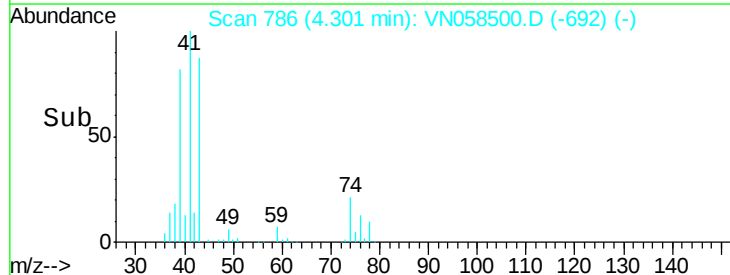
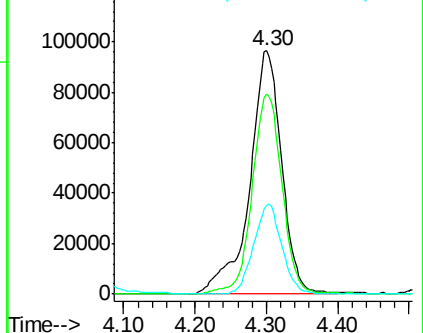
76 31.8 26.9 40.3

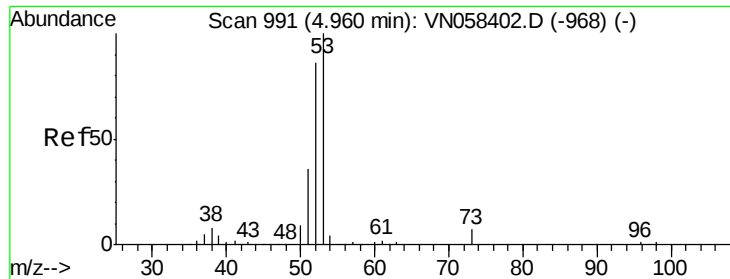


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 309.497 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

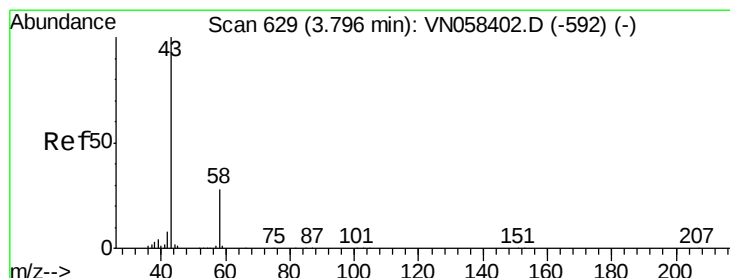
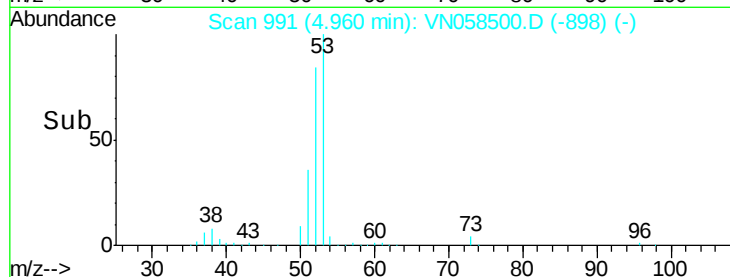
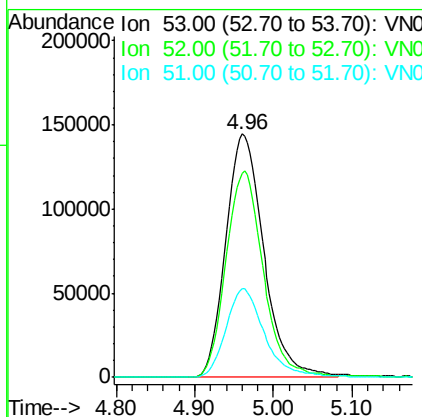
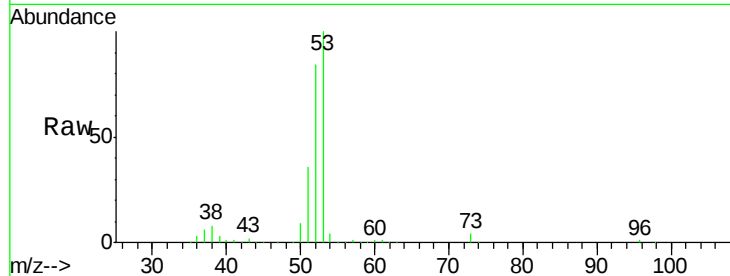
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	487328
Ion Ratio		Lower	Upper
53	100		
52	83.1	66.6	100.0
51	36.7	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 247.028 ug/l

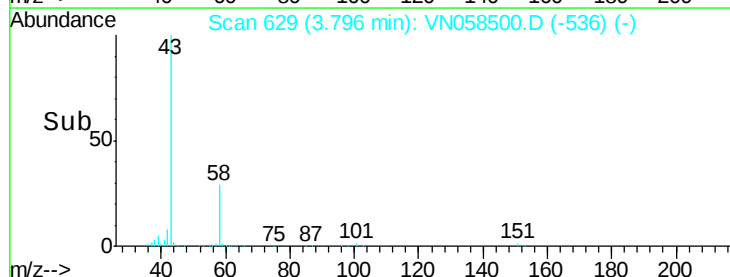
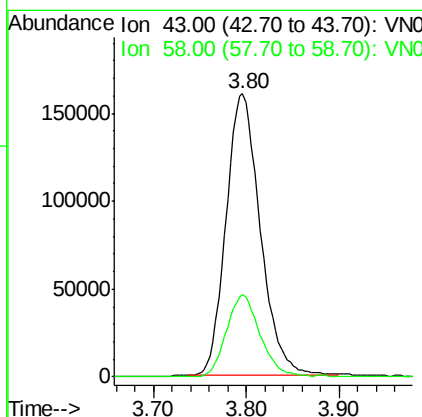
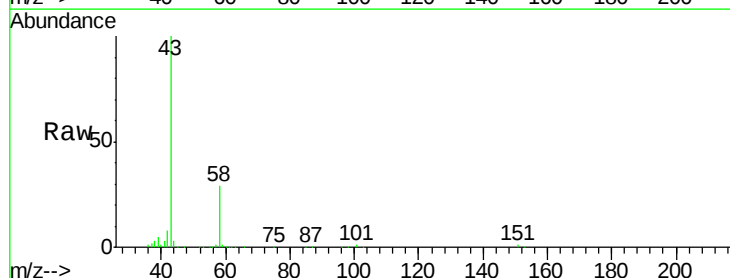
RT: 3.80 min Scan# 629

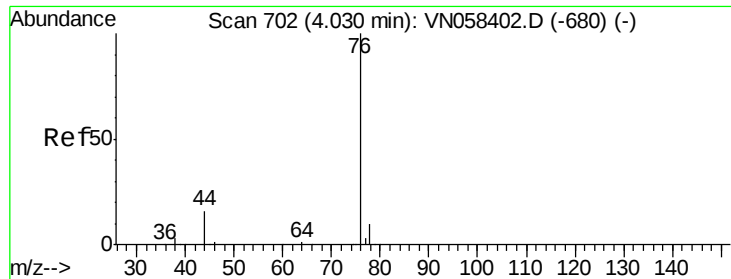
Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion:	43	Resp:	409531
Ion Ratio		Lower	Upper
43	100		
58	29.1	22.4	33.6





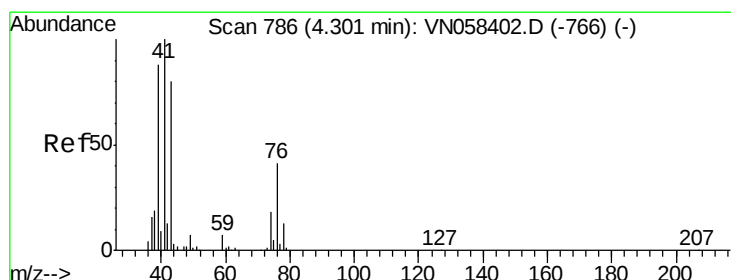
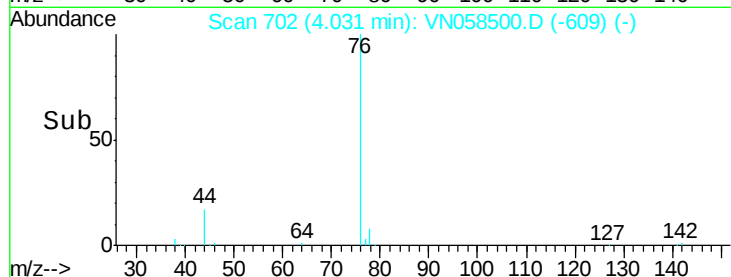
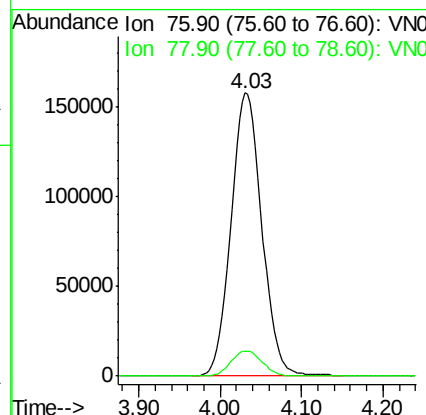
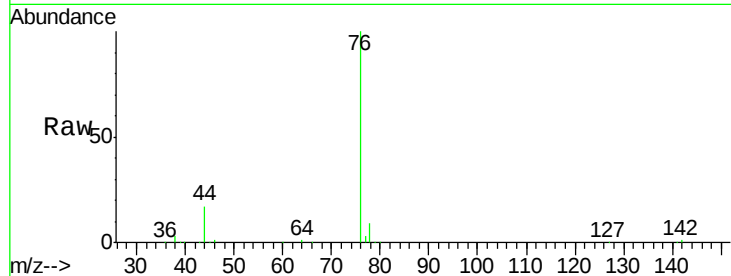
#17
Carbon Disulfide
Concen: 50.502 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.7	11.5

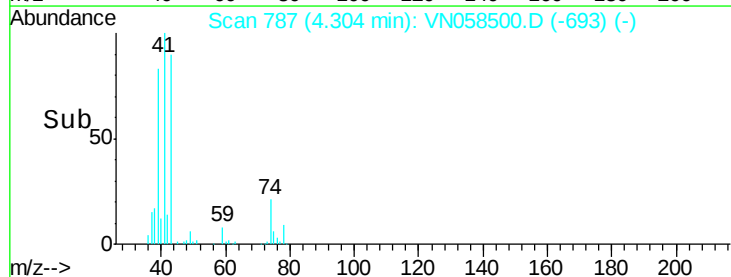
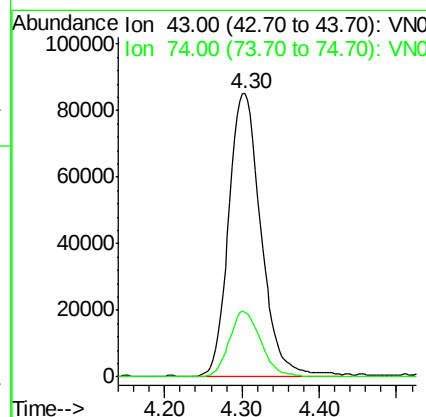
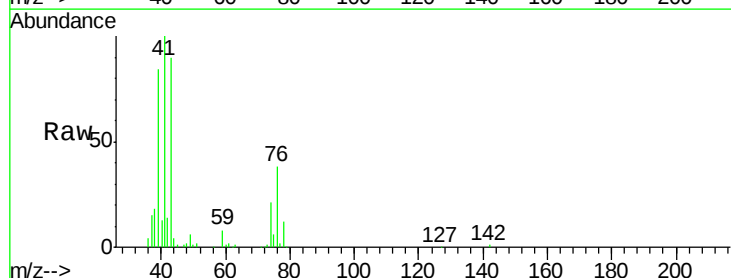
Manual Integrations
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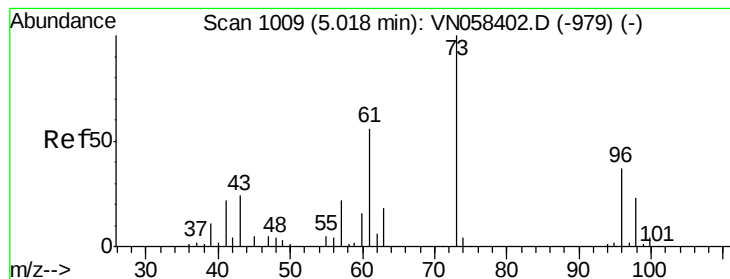
MMDadoda
10/3/2019 1:30:42 PM



#18
Methyl Acetate
Concen: 58.706 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	18.0	27.0





#19

Methyl tert-butyl Ether

Concen: 54.564 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tot Ion: 73 Resp: 604399

Ion Ratio Lower Upper

73 100

57 22.4 17.6 26.4

Instrument :

MSVOA_N

ClientSampleId :

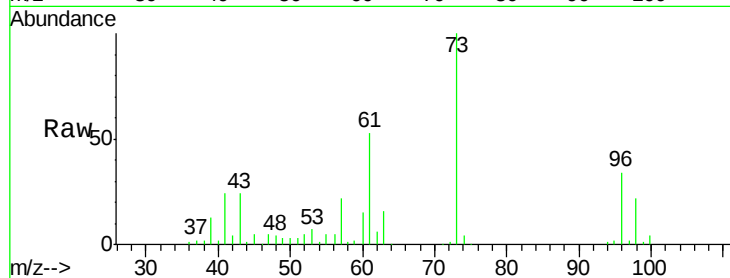
VSTDCCC050EC

Manual Integrations

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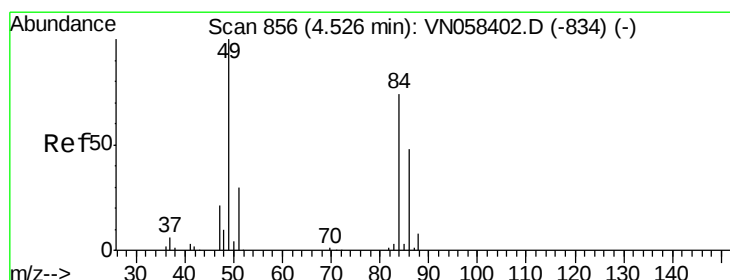
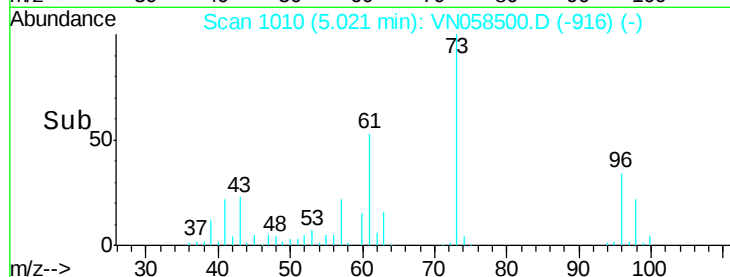
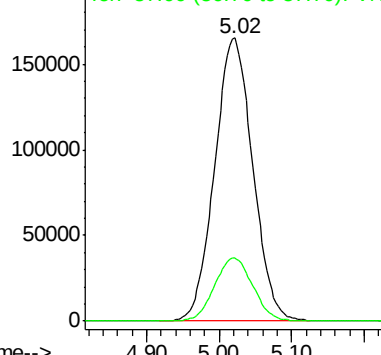
MMDadoda

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Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#20

Methylene Chloride

Concen: 65.146 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion: 84 Resp: 249238

Ion Ratio Lower Upper

84 100

49 134.3 107.9 161.9

51 40.8 32.8 49.2

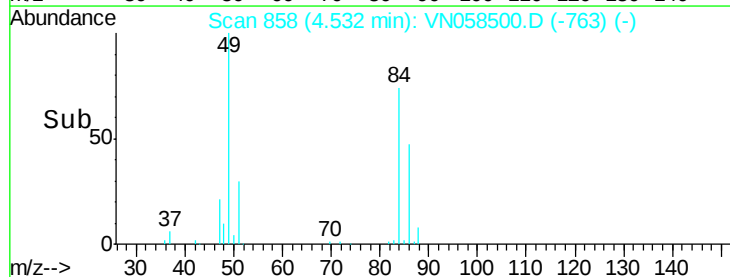
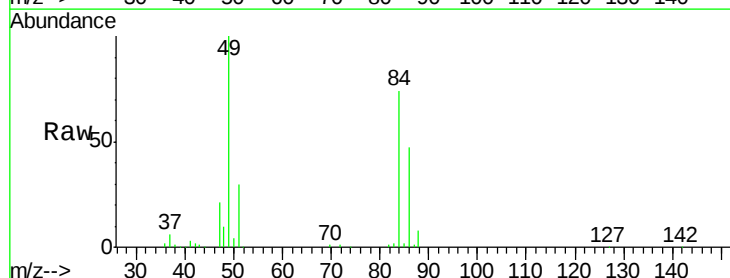
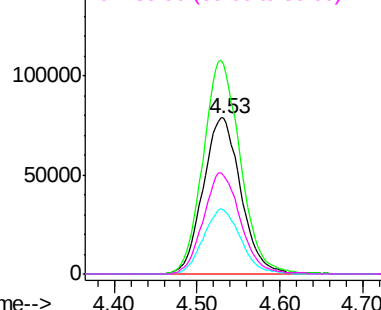
86 63.2 51.5 77.3

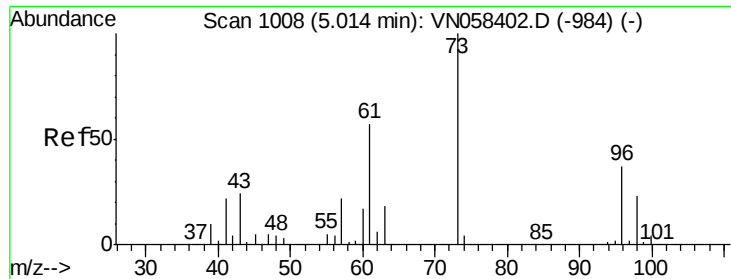
Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0





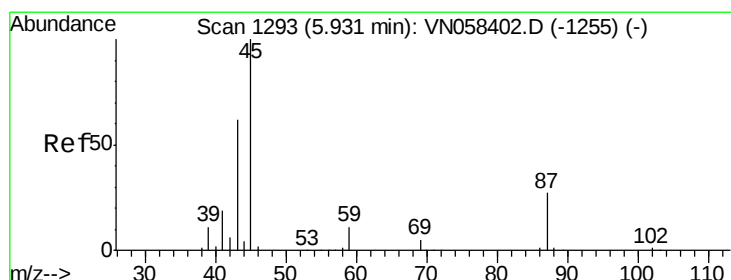
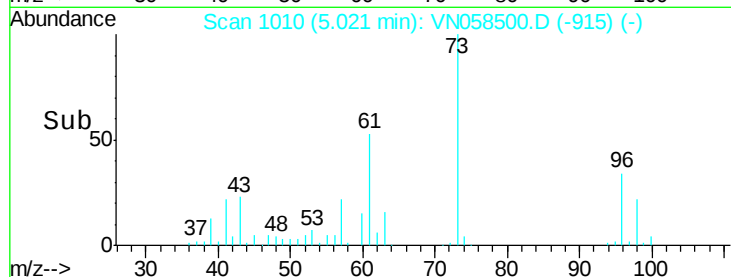
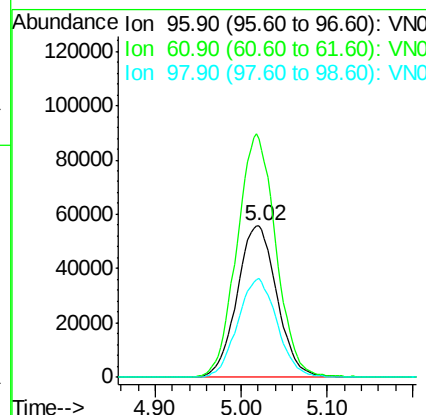
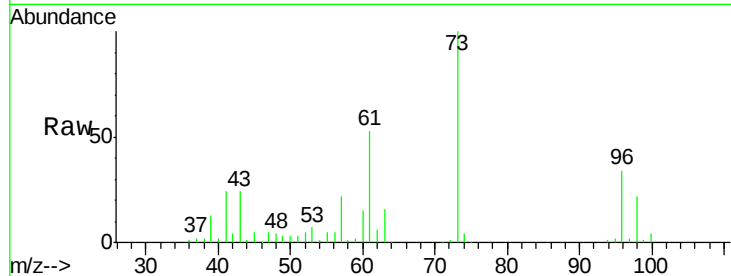
#21
trans-1,2-Dichloroethene
Concen: 51.508 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.6	121.9	182.9
98	65.2	49.3	73.9

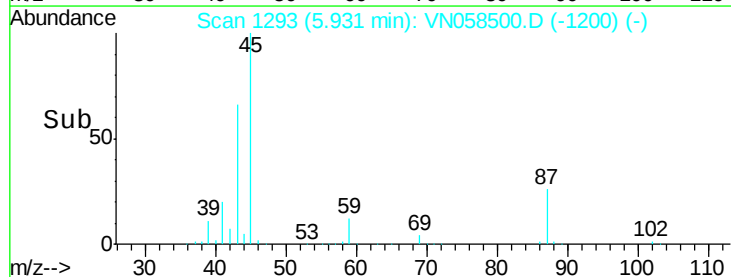
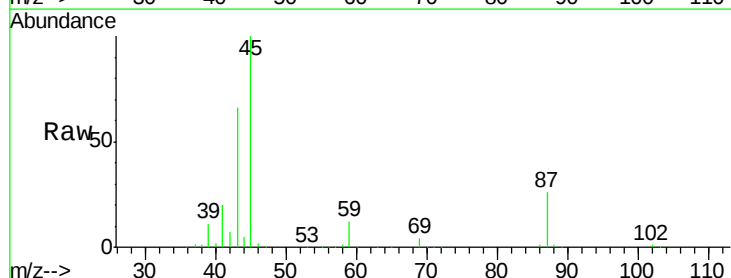
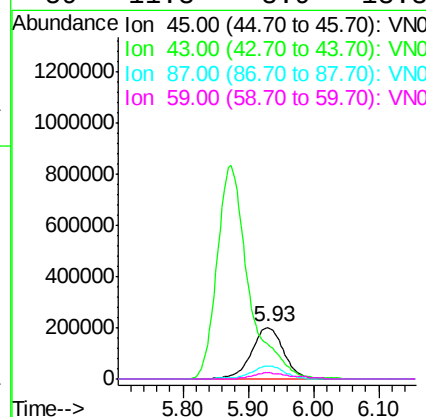
Manual Integrations
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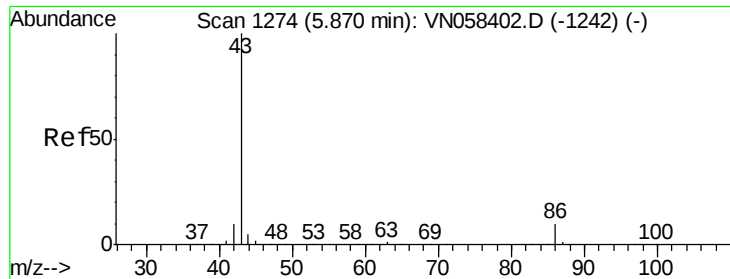
MMDadoda
10/3/2019 1:30:42 PM



#22
Diisopropyl ether
Concen: 56.075 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.8	49.7	74.5
87	26.0	21.5	32.3
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 303.363 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2812216

Ion Ratio Lower Upper

43 100

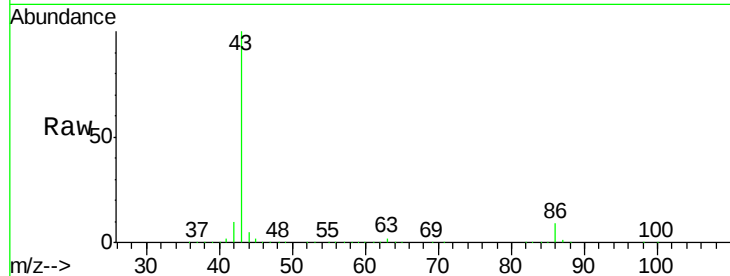
86 9.3 7.7 11.5

Manual Integrations

APPROVED

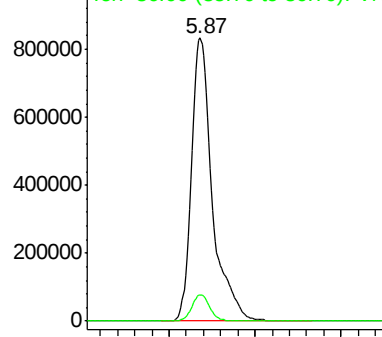
MMDadoda

10/3/2019 1:30:42 PM

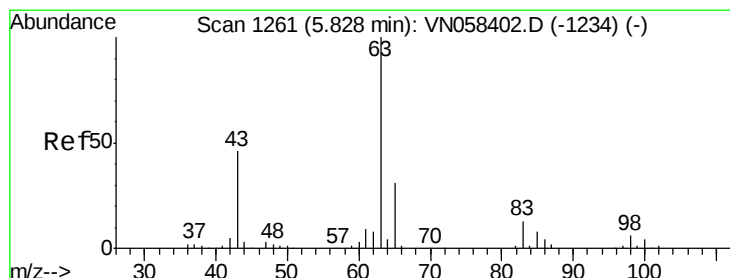
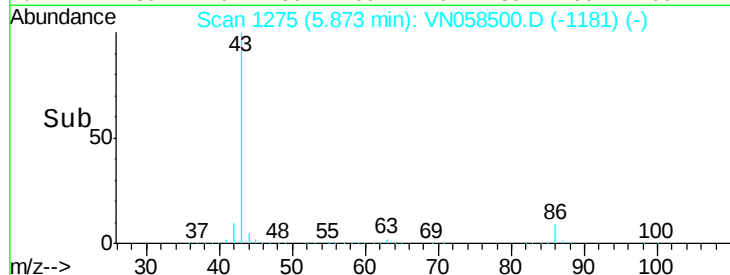


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 55.038 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

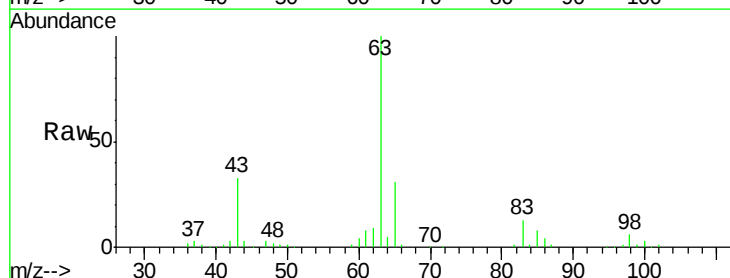
Tgt Ion: 63 Resp: 380821

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.0

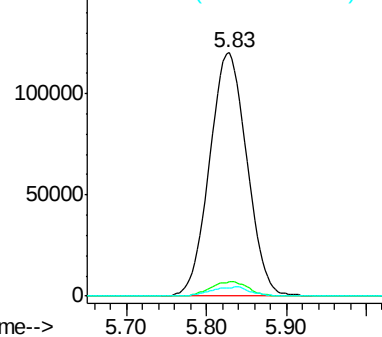
100 3.3 2.0 5.8



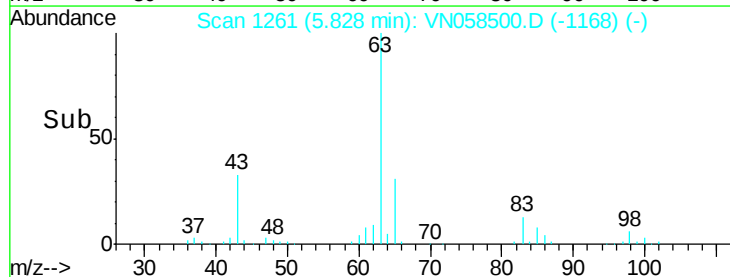
Abundance Ion 62.90 (62.60 to 63.60): VN0

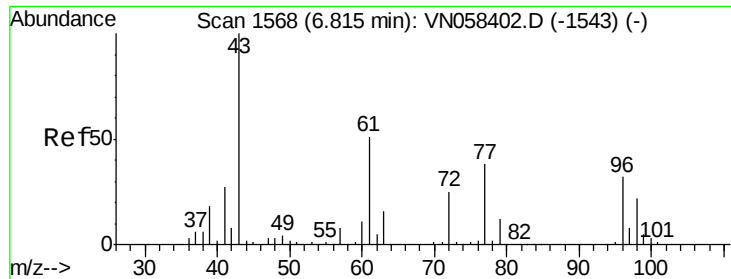
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->





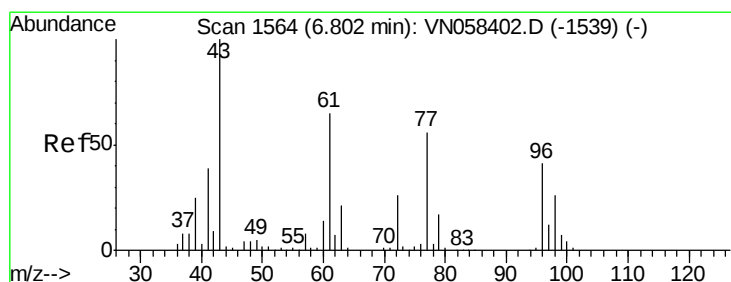
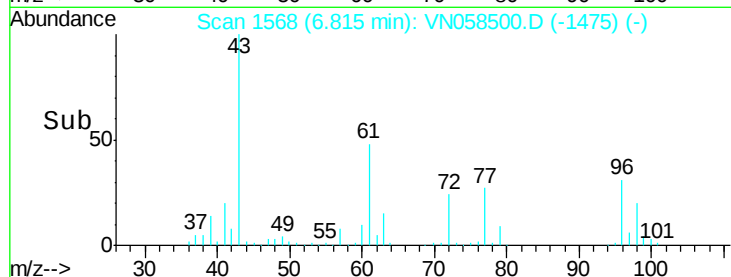
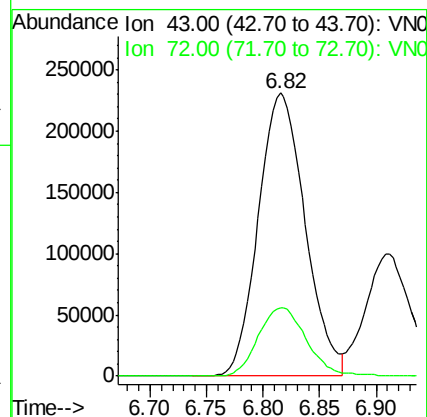
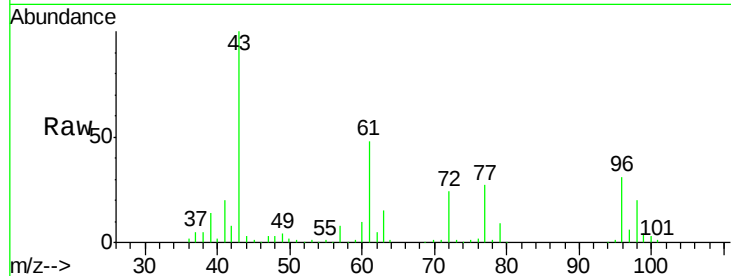
#25
2-Butanone
Concen: 290.374 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 660936
Ion Ratio Lower Upper
43 100
72 24.0 20.2 30.4

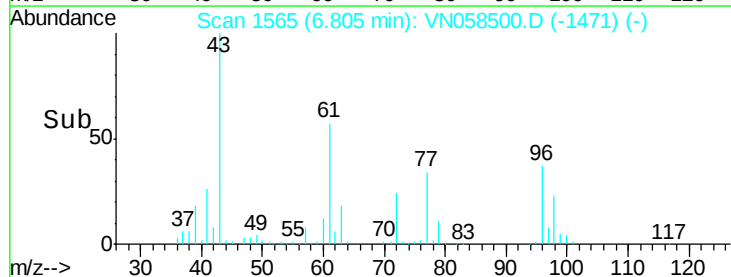
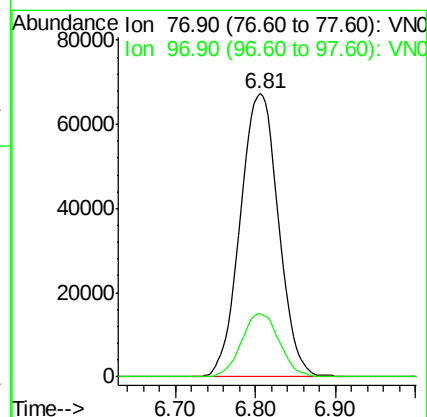
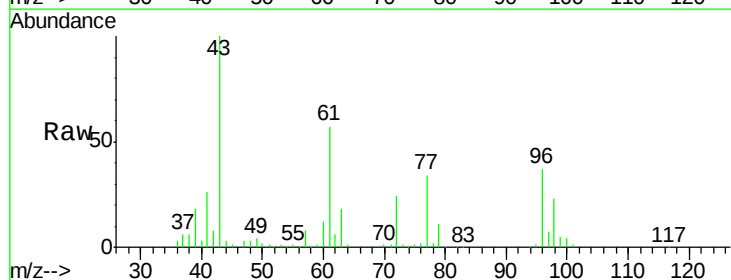
Manual Integrations
APPROVED

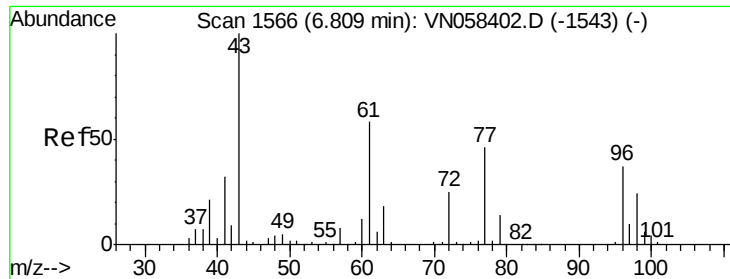
MMDadoda
10/3/2019 1:30:42 PM



#26
2,2-Dichloropropane
Concen: 38.353 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion: 77 Resp: 218168
Ion Ratio Lower Upper
77 100
97 22.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 53.903 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

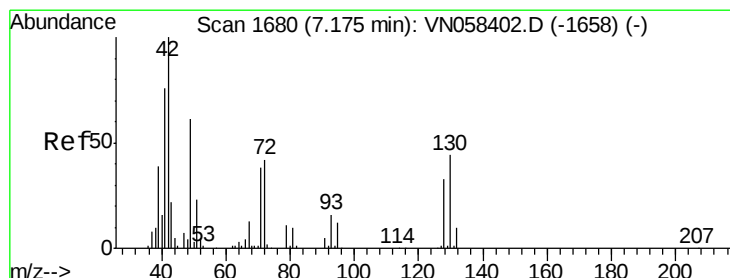
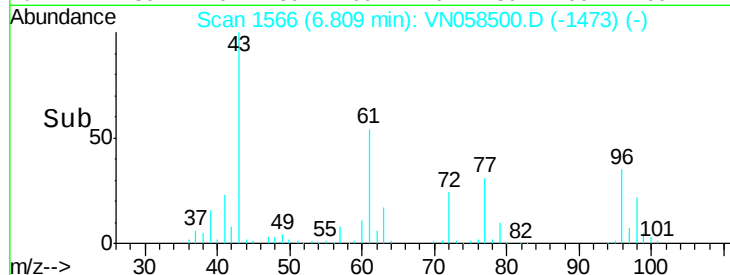
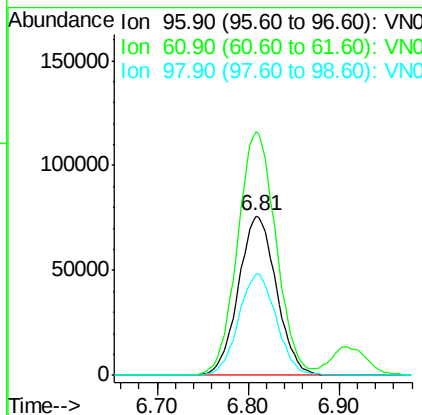
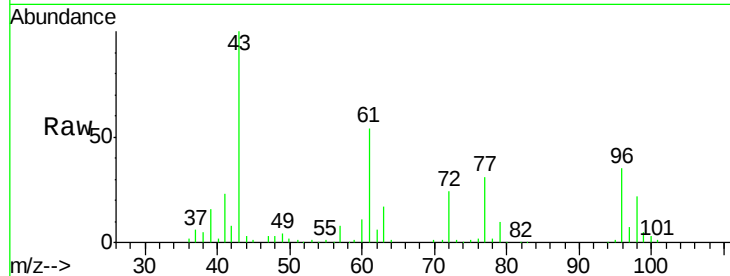
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	219937
Ion Ratio	Lower	Upper	
96	100		
61	154.6	0.0	318.8
98	63.4	0.0	129.8

Manual Integrations
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10/3/2019 1:30:42 PM



#28

Bromochloromethane

Concen: 56.174 ug/l

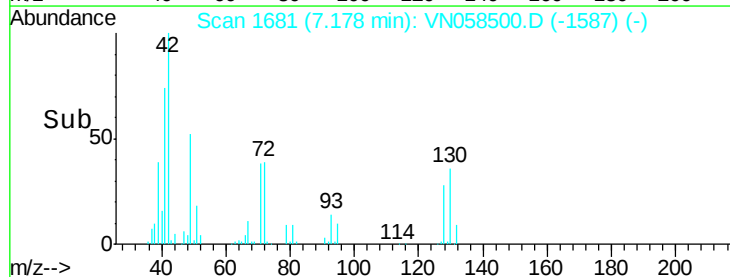
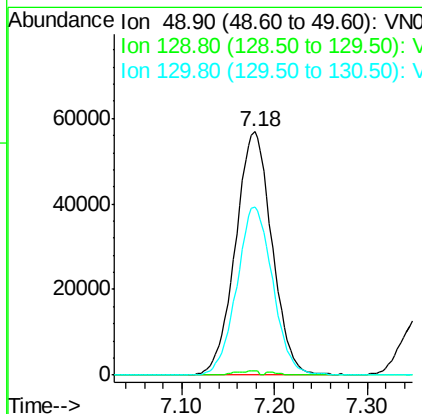
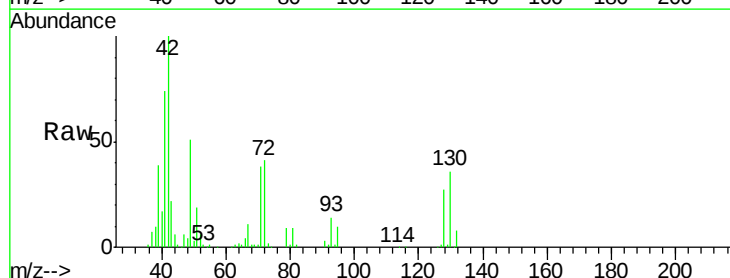
RT: 7.18 min Scan# 1681

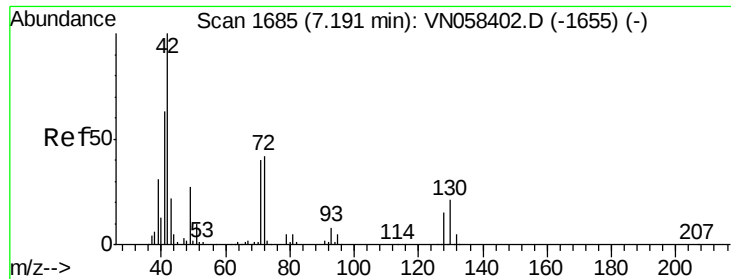
Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion:	49	Resp:	155367
Ion Ratio	Lower	Upper	
49	100		
129	1.0	0.0	3.4
130	68.1	56.3	84.5





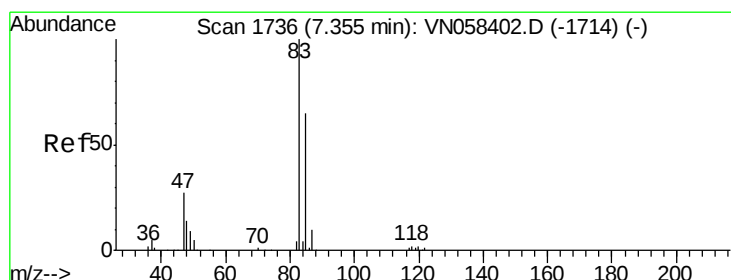
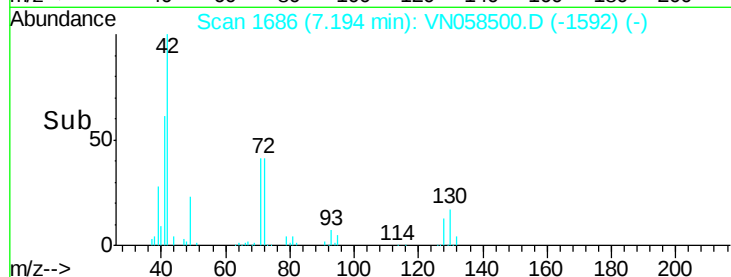
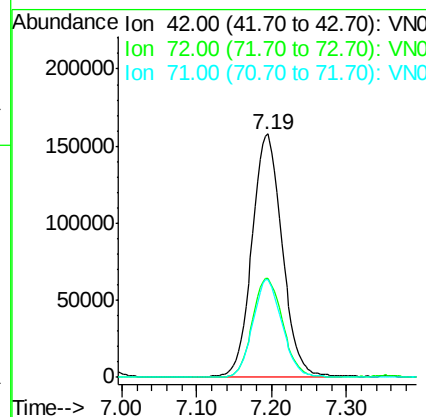
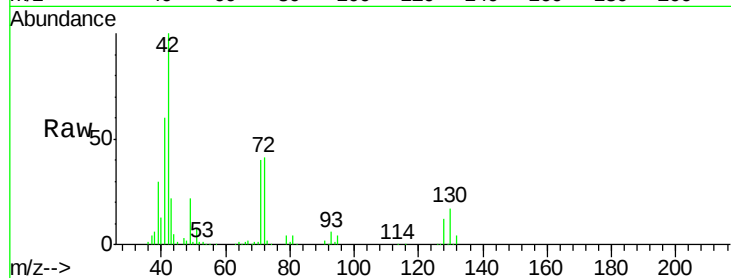
#29
Tetrahydrofuran
Concen: 307.034 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.7	50.5
71	39.1	31.8	47.6

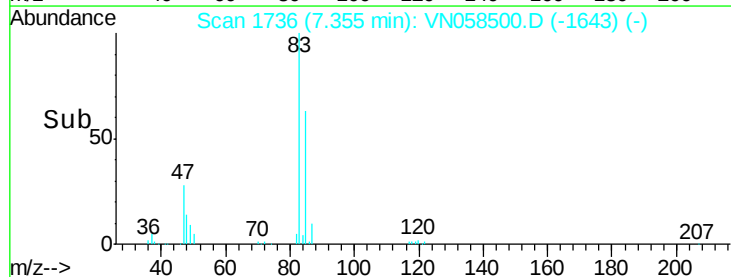
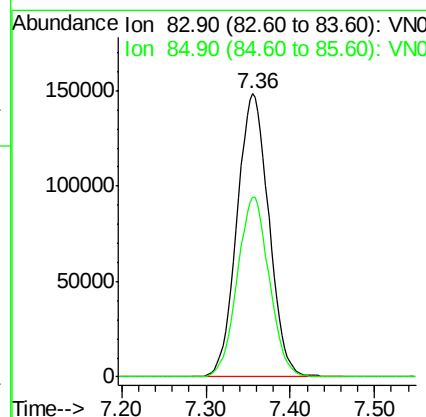
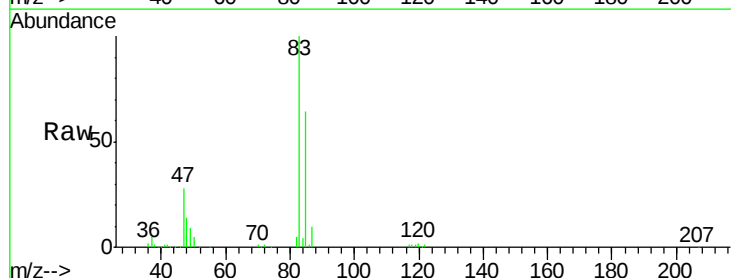
Manual Integrations
APPROVED

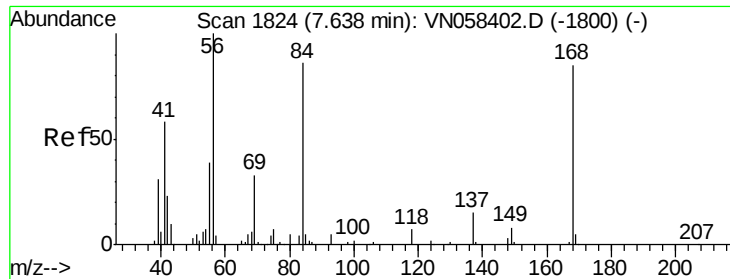
MMDadoda
10/3/2019 1:30:42 PM



#30
Chloroform
Concen: 55.657 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.0	78.0





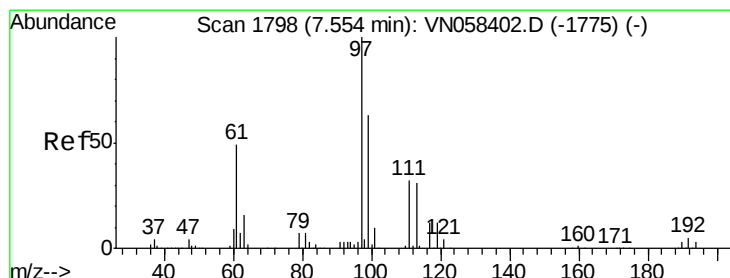
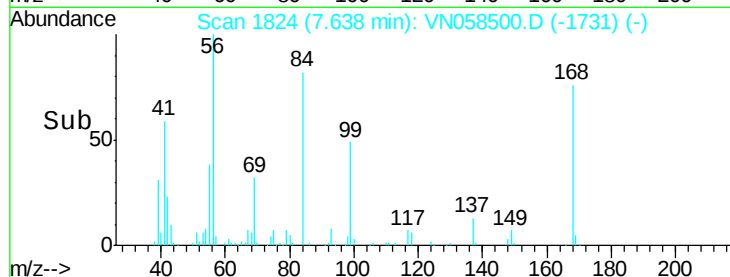
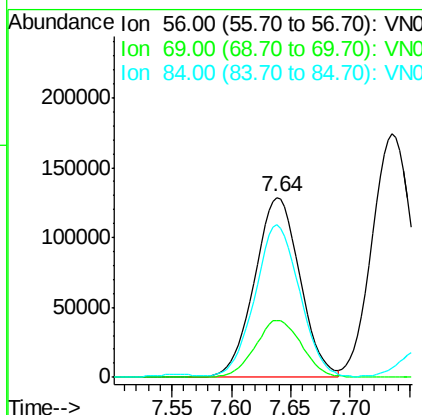
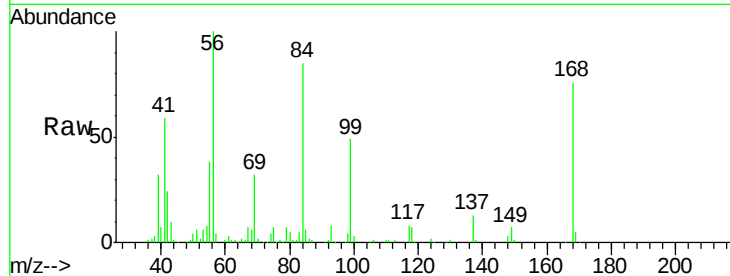
#31
Cyclohexane
Concen: 50.598 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.9	26.2	39.4
84	83.4	67.6	101.4

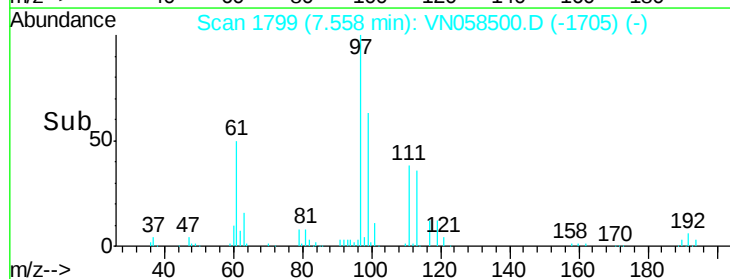
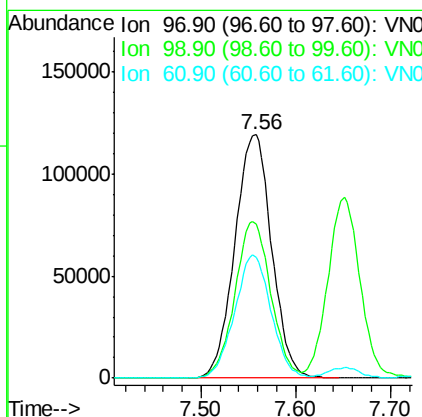
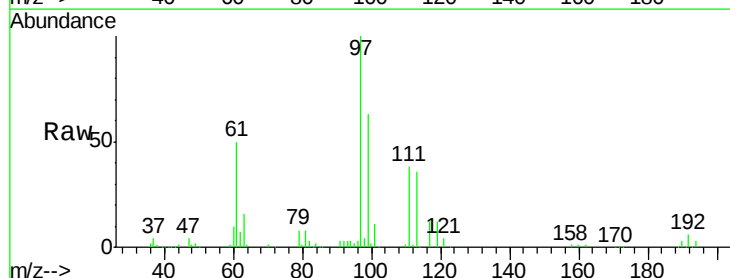
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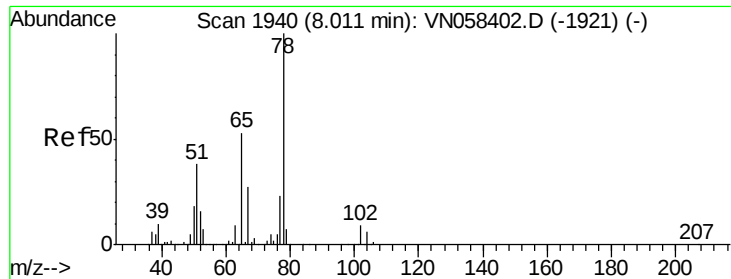
MMDadoda
10/3/2019 1:30:42 PM



#32
1,1,1-Trichloroethane
Concen: 56.137 ug/l
RT: 7.56 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.1	76.7
61	50.0	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 54.072 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 262964

Ion Ratio Lower Upper

65 100

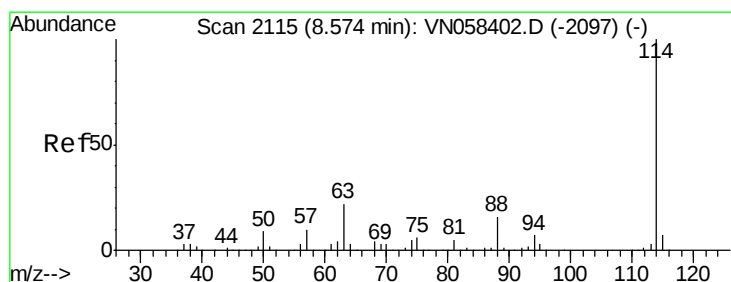
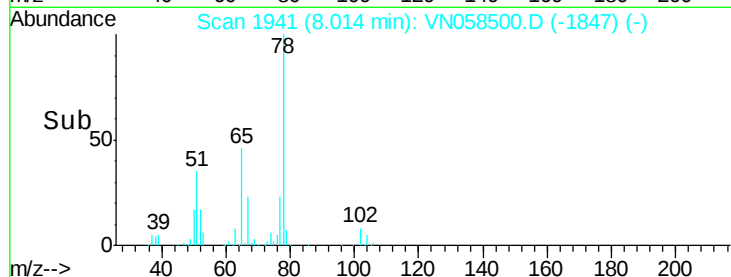
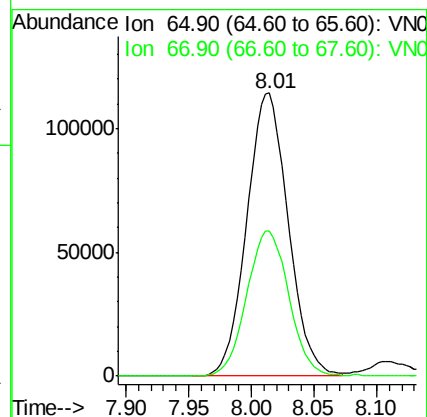
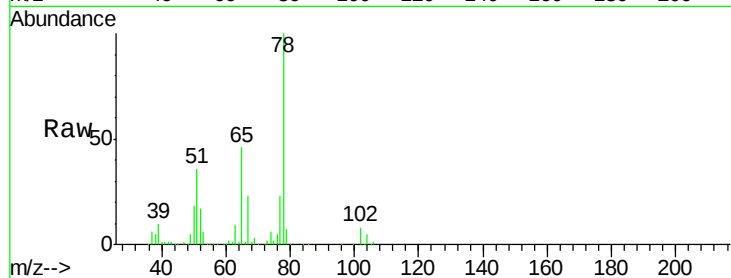
67 52.0 0.0 102.4

Manual Integrations

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MMDadoda

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

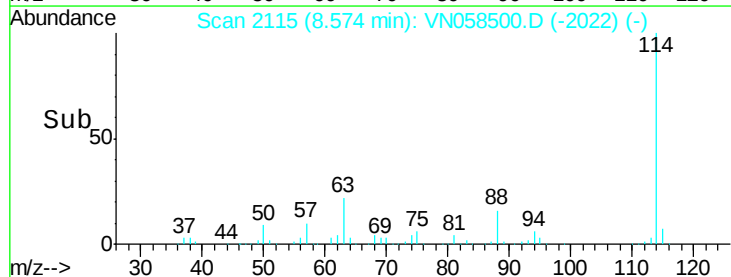
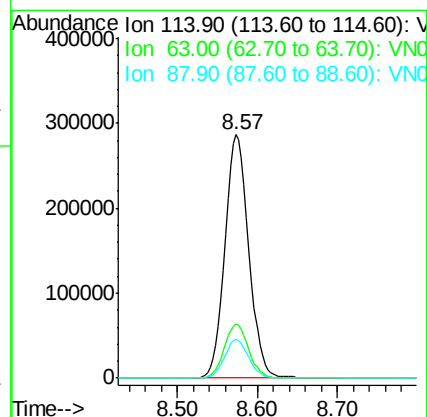
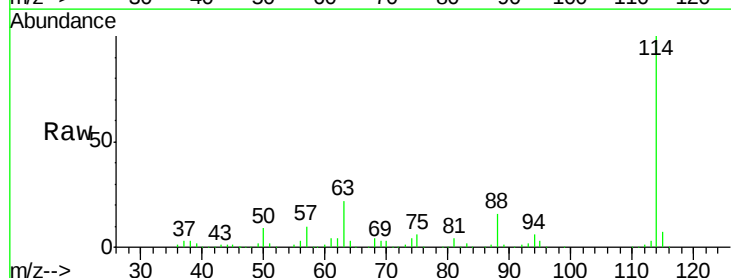
Tgt Ion: 114 Resp: 588502

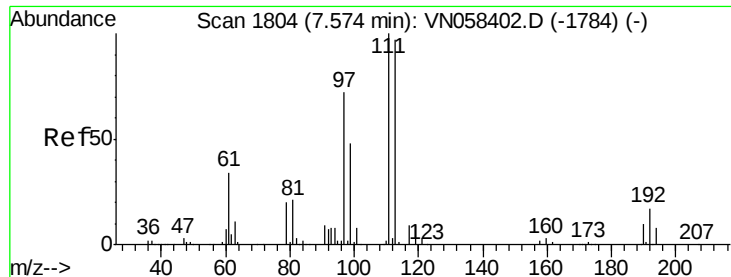
Ion Ratio Lower Upper

114 100

63 22.0 0.0 45.0

88 16.0 0.0 32.2





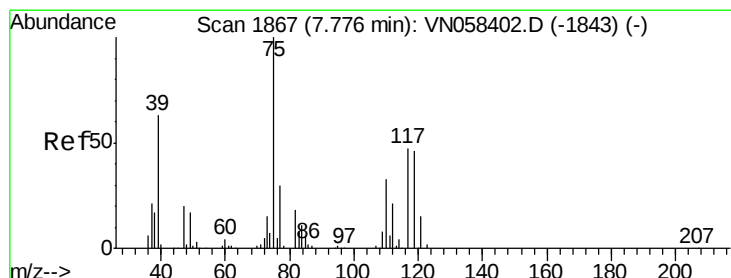
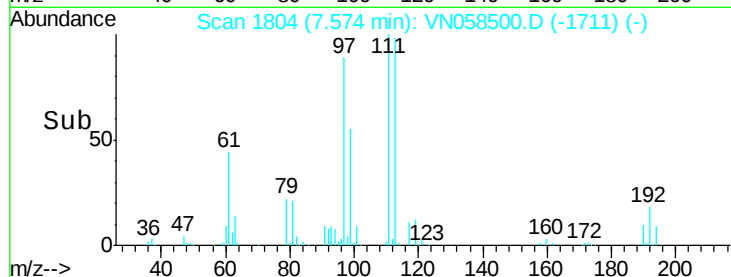
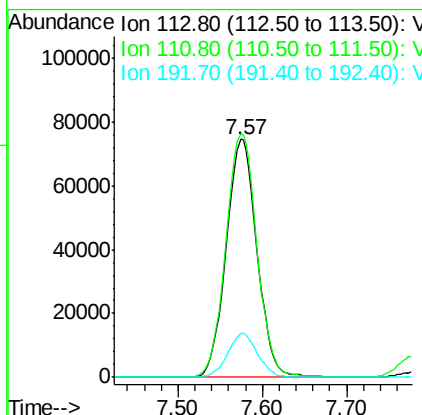
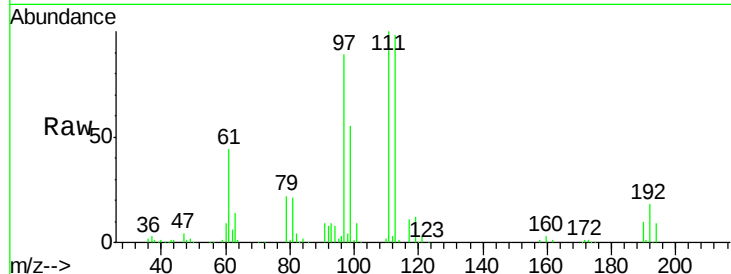
#35
Dibromofluoromethane
Concen: 52.329 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	188743		
111	103.5	83.4	125.2	
192	17.9	14.9	22.3	

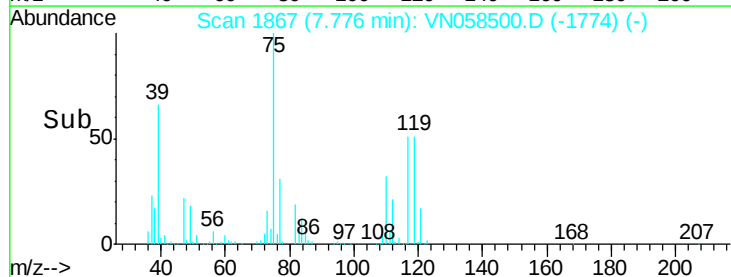
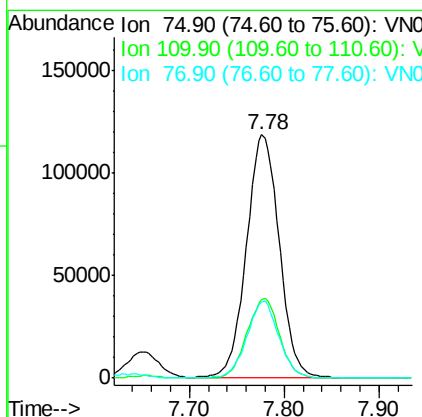
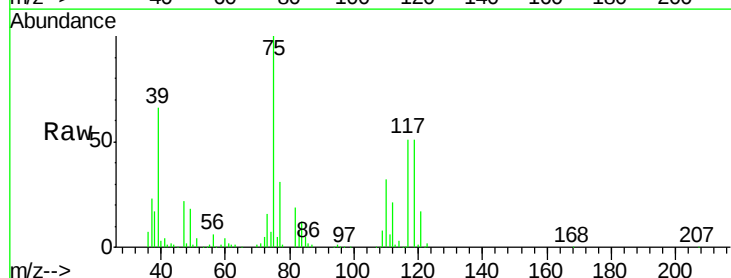
Manual Integrations
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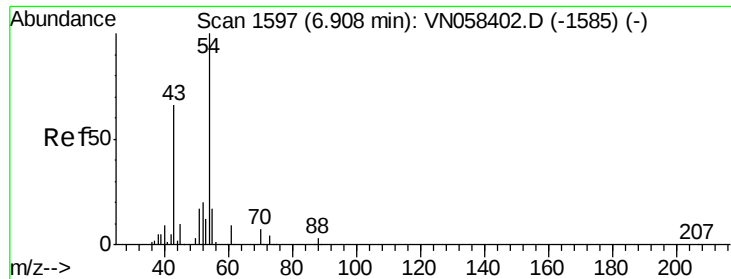
MMDadoda
10/3/2019 1:30:42 PM



#36
1,1-Dichloropropene
Concen: 50.514 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284254		
110	32.8	16.4	49.2	
77	31.3	24.3	36.5	





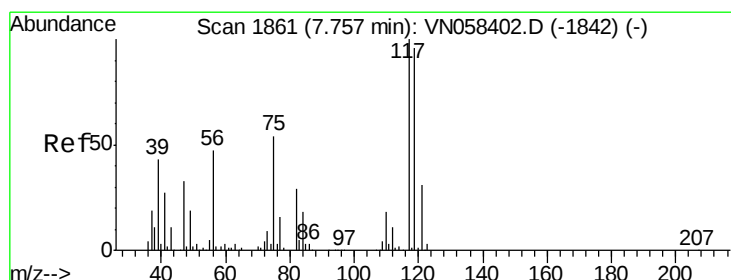
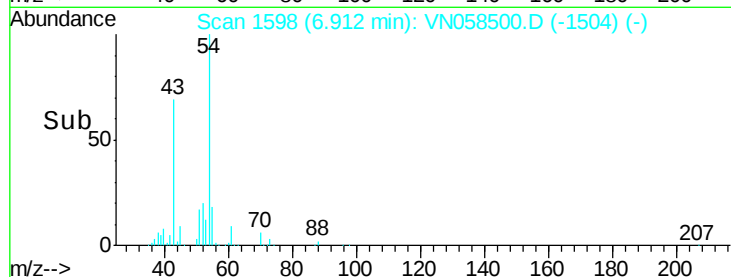
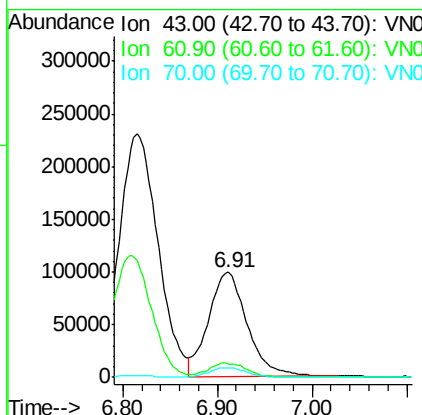
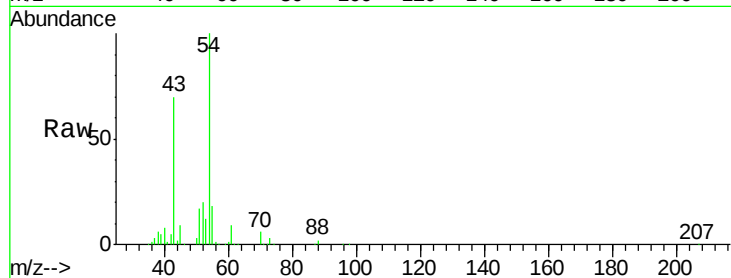
#37
Ethyl Acetate
Concen: 59.178 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.5	15.7
70	9.3	7.8	11.6

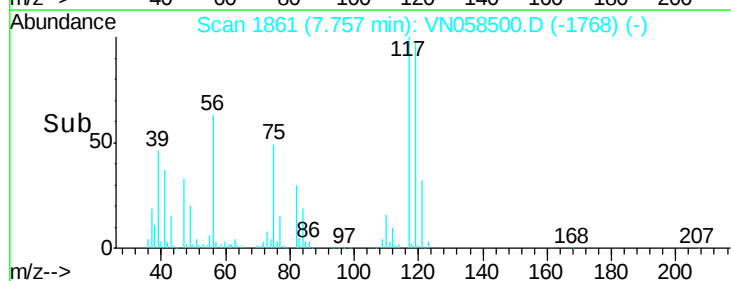
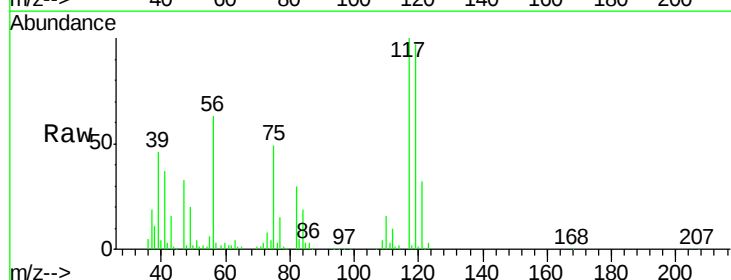
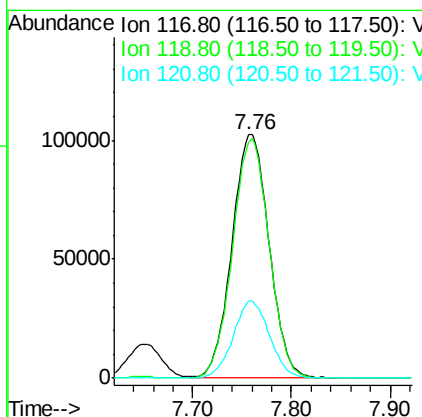
Manual Integrations
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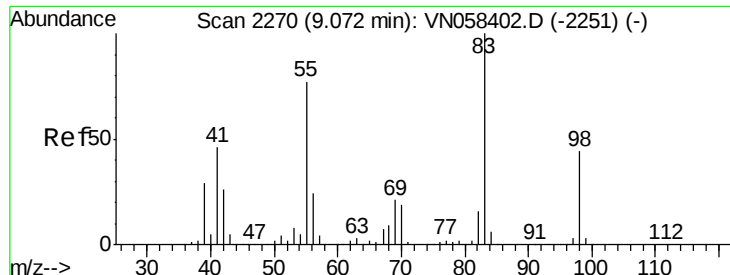
MMDadoda
10/3/2019 1:30:42 PM



#38
Carbon Tetrachloride
Concen: 52.810 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	76.6	115.0
121	31.5	24.7	37.1





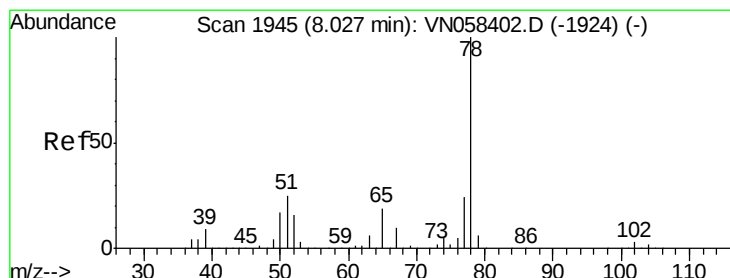
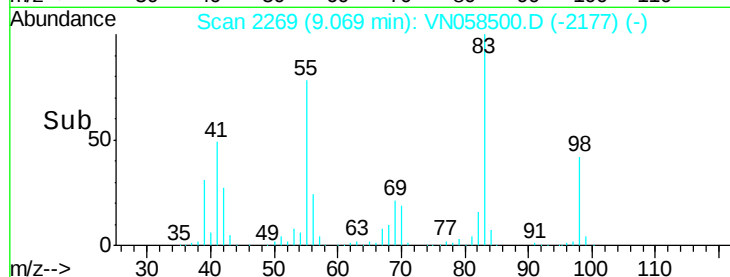
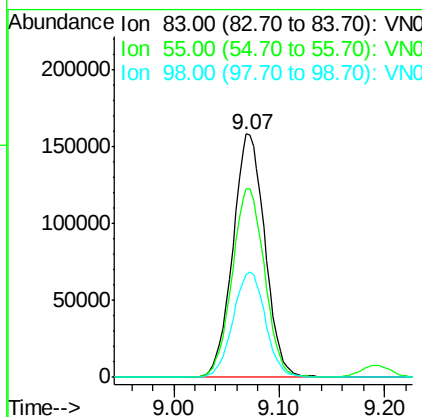
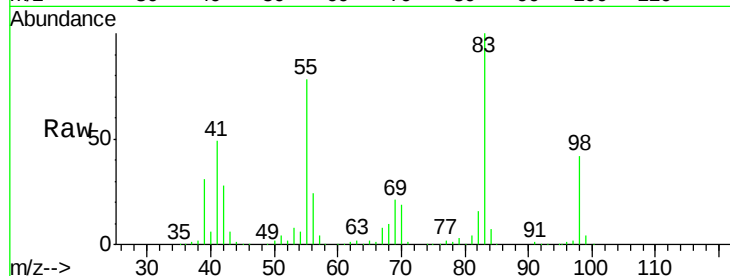
#39
Methvlcvclohexane
Concen: 50.743 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.7	61.8	92.6	
98	42.3	35.4	53.0	

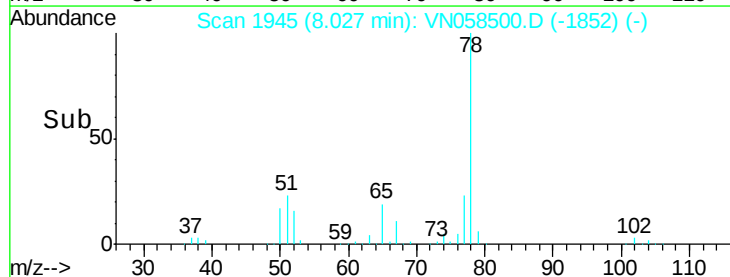
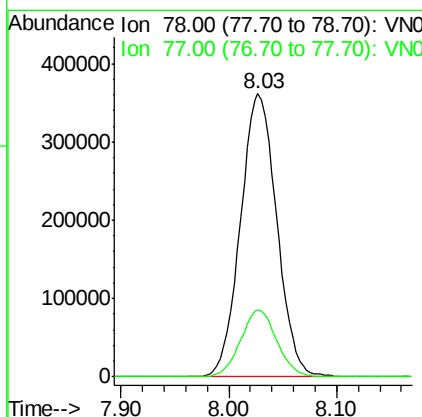
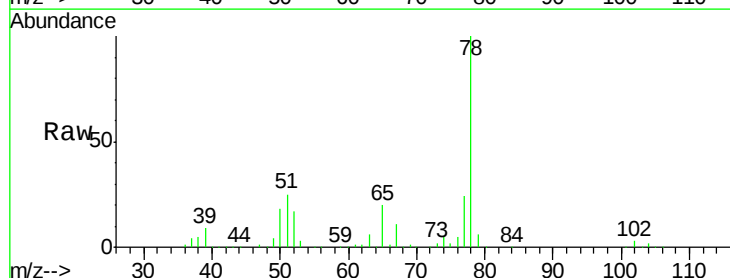
Manual Integrations
APPROVED

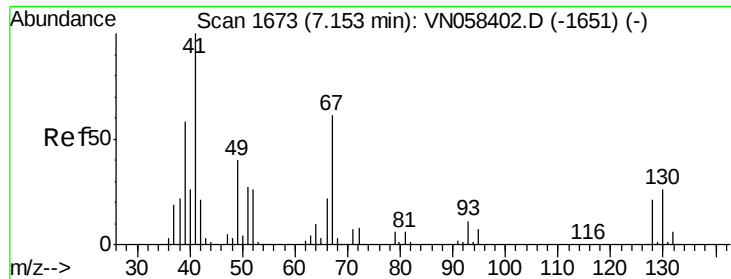
MMDadoda
10/3/2019 1:30:42 PM



#40
Benzene
Concen: 52.299 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.9	28.3	





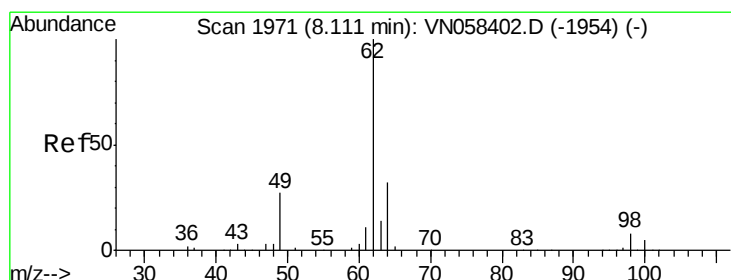
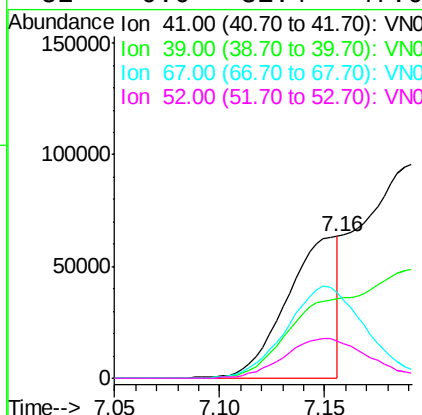
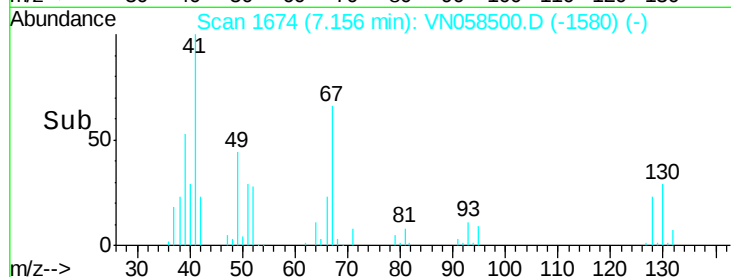
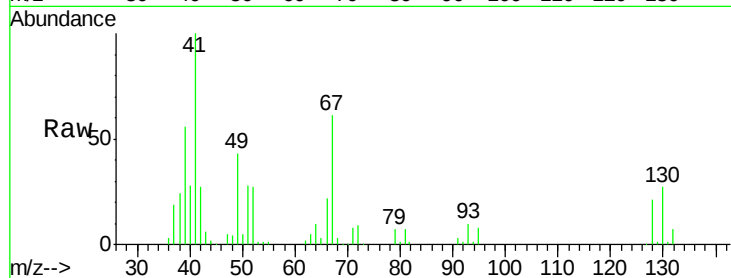
#41
Methacrylonitrile
Concen: 48.992 ug/l m
RT: 7.16 min Scan# 1674
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	205.1	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

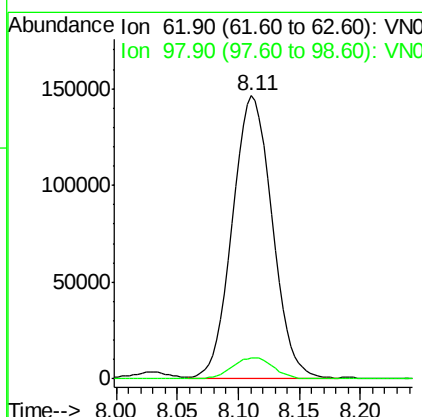
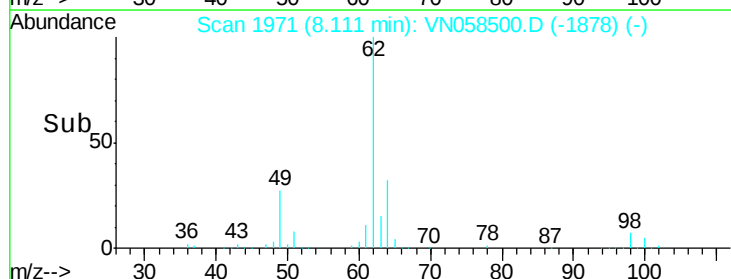
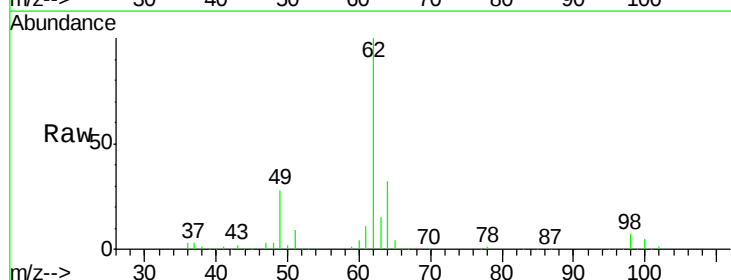
Manual Integrations
APPROVED

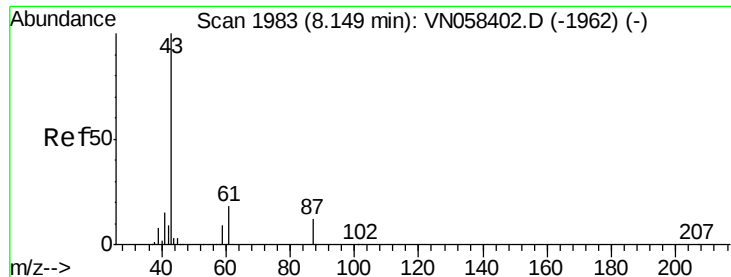
MMDadoda
10/3/2019 1:30:42 PM



#42
1,2-Dichloroethane
Concen: 52.443 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.6





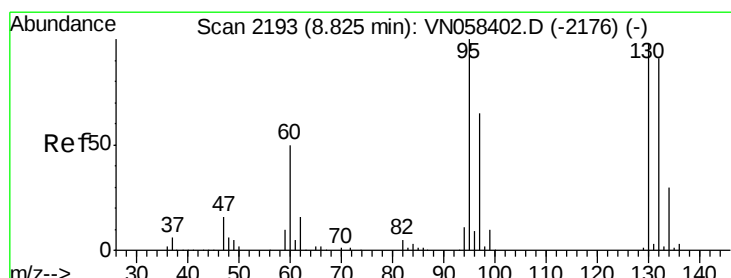
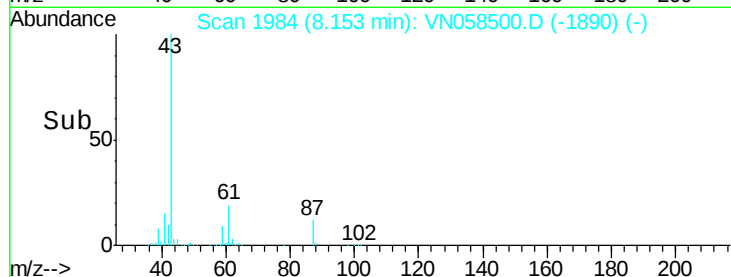
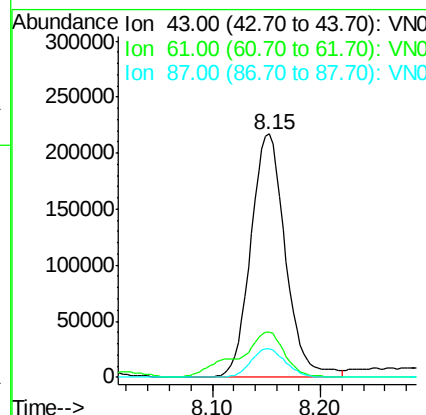
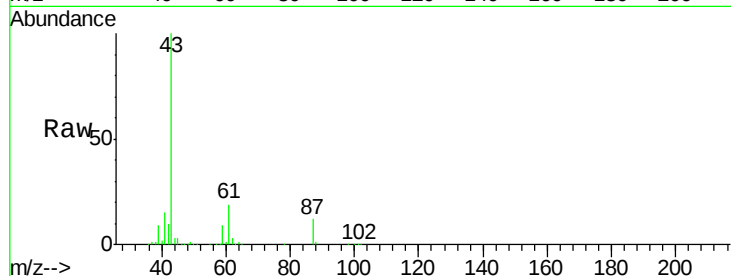
#43
Isopropyl Acetate
Concen: 53.864 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.3	14.8	22.2
87	11.7	9.7	14.5

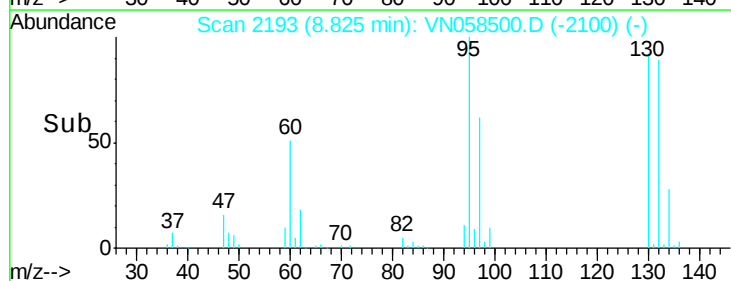
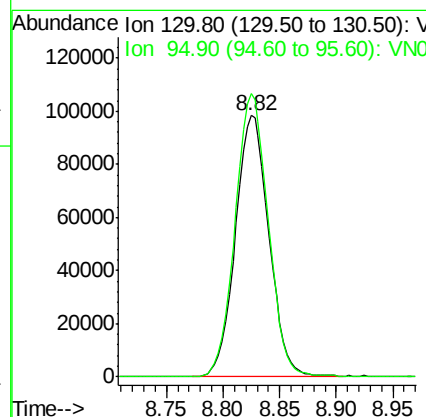
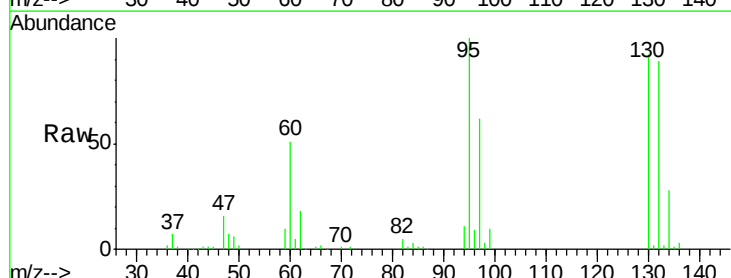
Manual Integrations
APPROVED

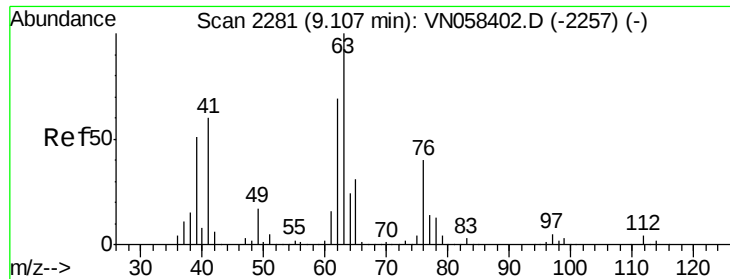
MMDadoda
10/3/2019 1:30:42 PM



#44
Trichloroethene
Concen: 50.836 ug/l
RT: 8.82 min Scan# 2193
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.5	0.0	204.2





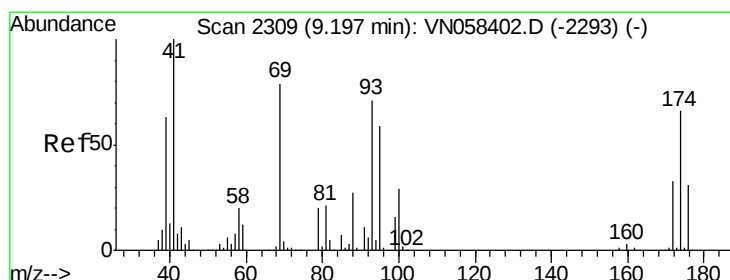
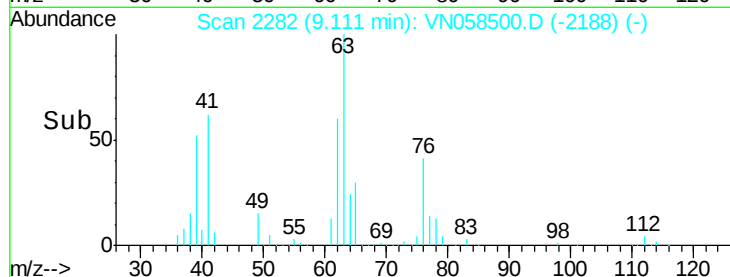
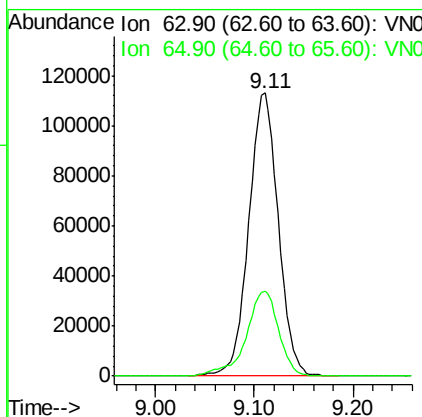
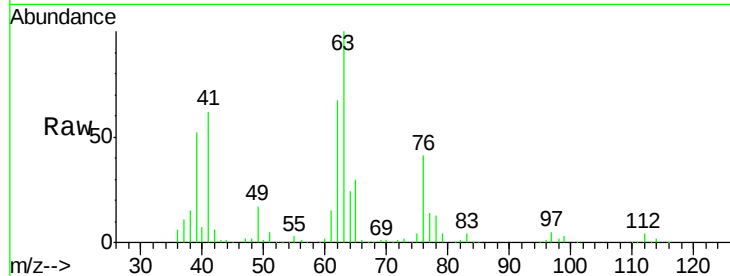
#45
 1,2-Dichloropropane
 Concen: 53.797 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 233376
 Ion Ratio Lower Upper
 63 100
 65 30.1 25.0 37.4

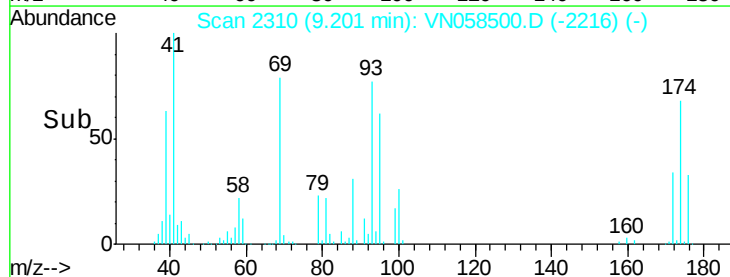
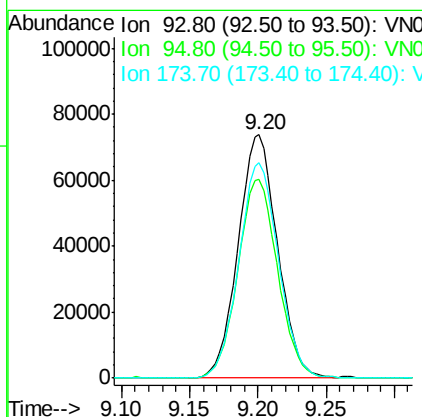
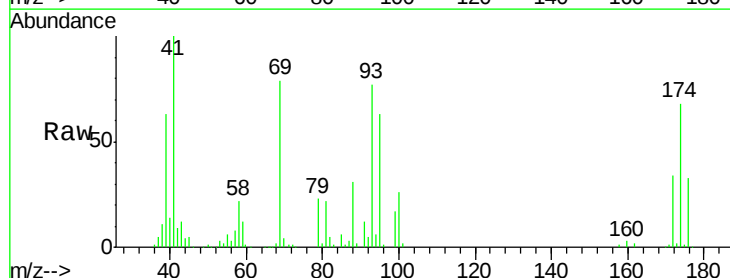
Manual Integrations
 APPROVED

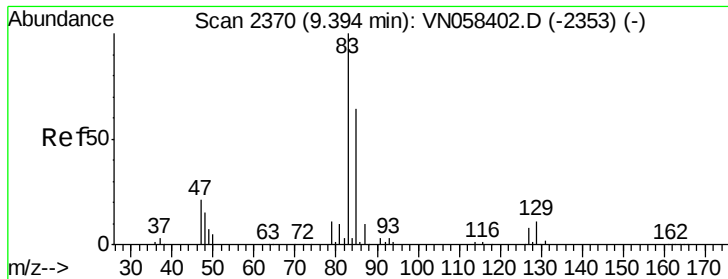
MMDadoda
 10/3/2019 1:30:42 PM



#46
 Dibromomethane
 Concen: 53.710 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion: 93 Resp: 147555
 Ion Ratio Lower Upper
 93 100
 95 82.9 67.0 100.4
 174 89.5 74.2 111.2





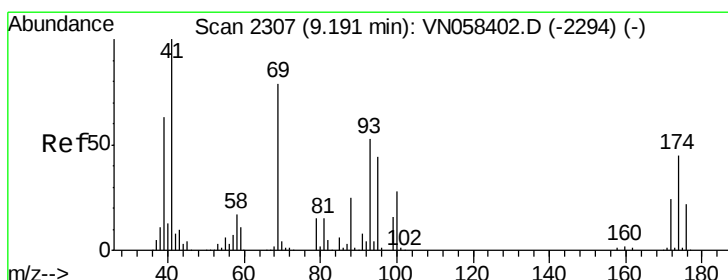
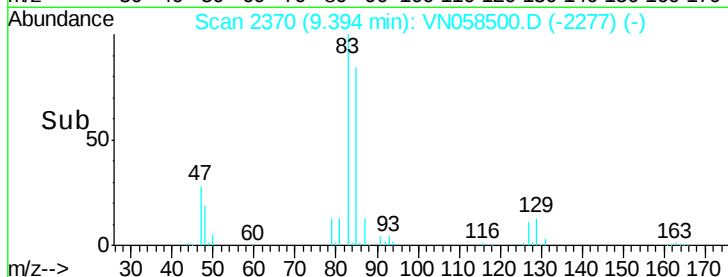
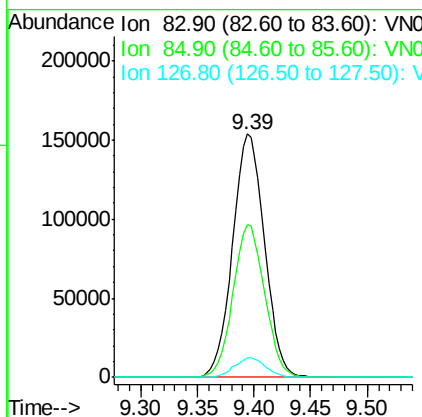
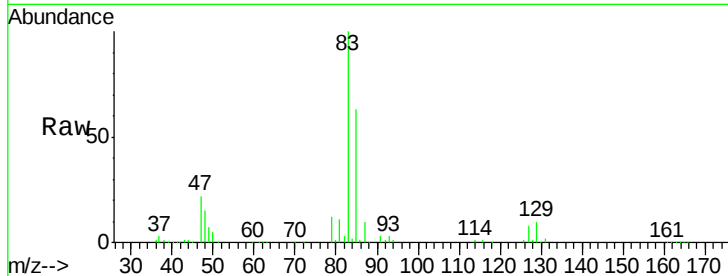
#47
Bromodichloromethane
Concen: 58.077 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.2	76.8
127	7.9	6.3	9.5

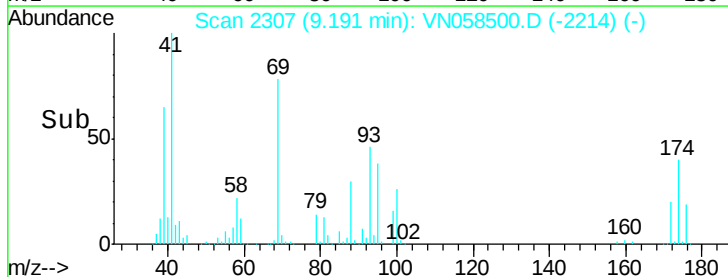
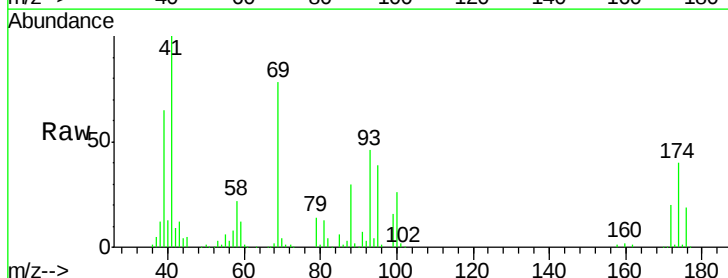
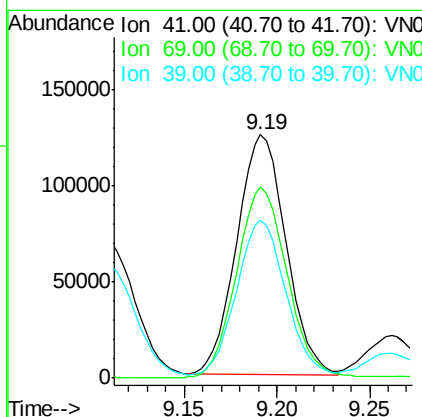
Manual Integrations
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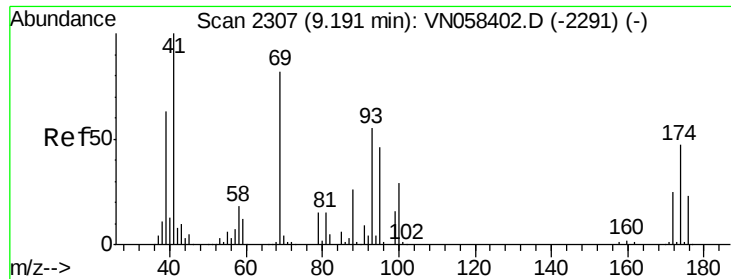
MMDadoda
10/3/2019 1:30:42 PM



#48
Methyl methacrylate
Concen: 56.447 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
41	100		
69	82.2	64.7	97.1
39	66.7	52.9	79.3





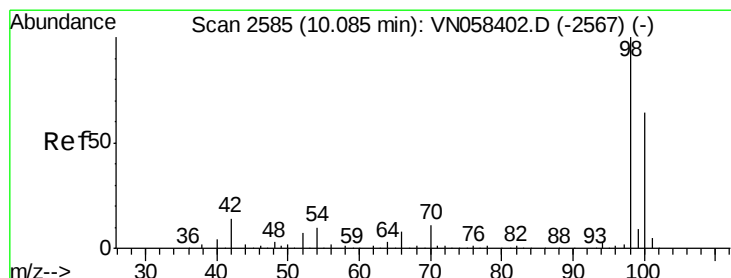
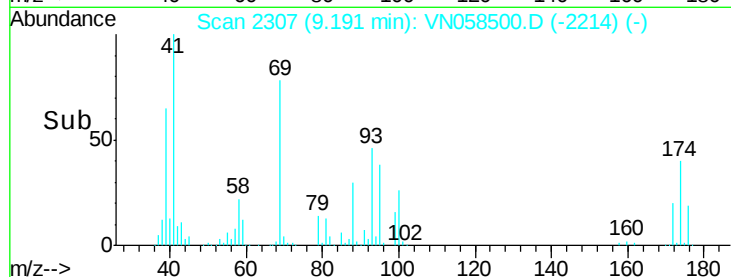
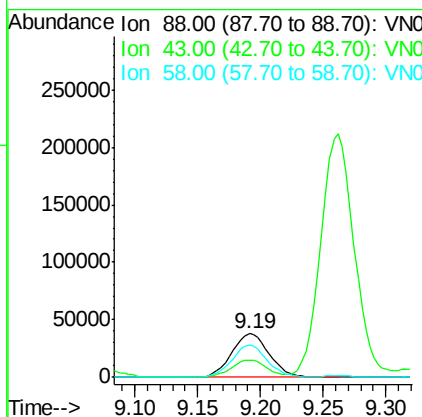
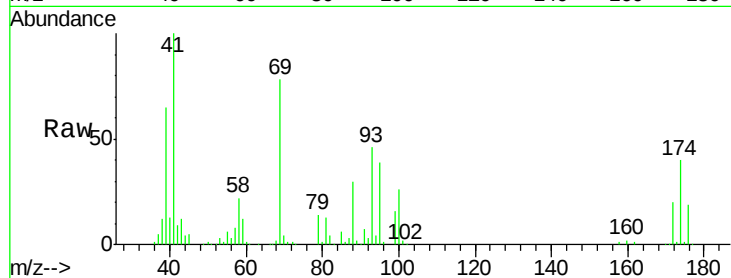
#49
1,4-Dioxane
Concen: 1444.745 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	78918
Ion	Ratio	Lower	Upper
88	100		
43	35.1	31.1	46.7
58	70.0	58.1	87.1

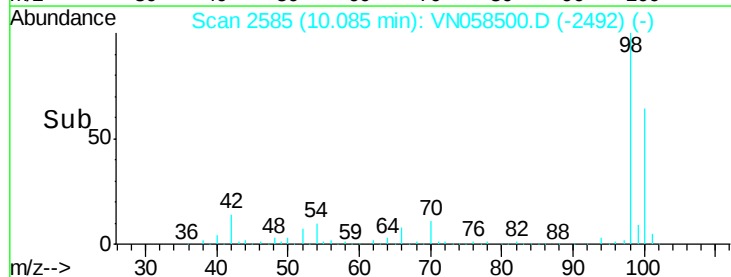
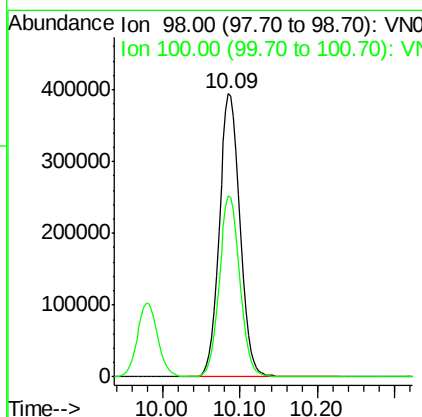
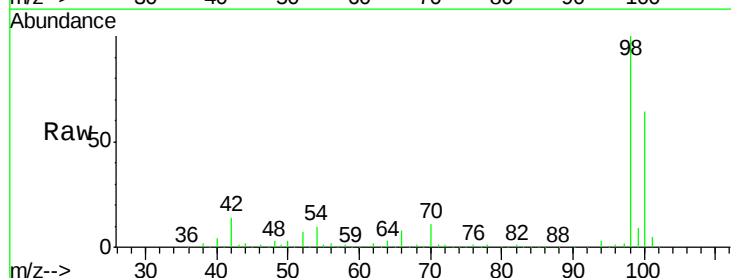
Manual Integrations
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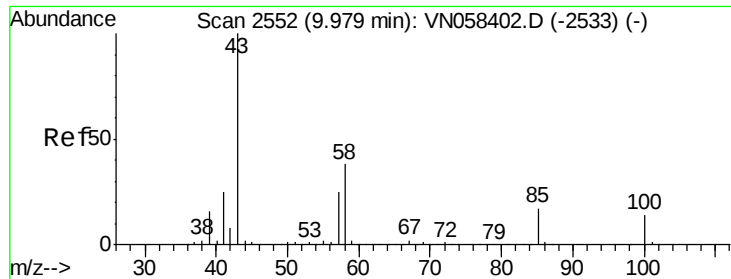
MMDadoda
10/3/2019 1:30:42 PM



#50
Toluene-d8
Concen: 52.221 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	98	Resp	737866
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 318.831 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1469299

Ion Ratio Lower Upper

43 100

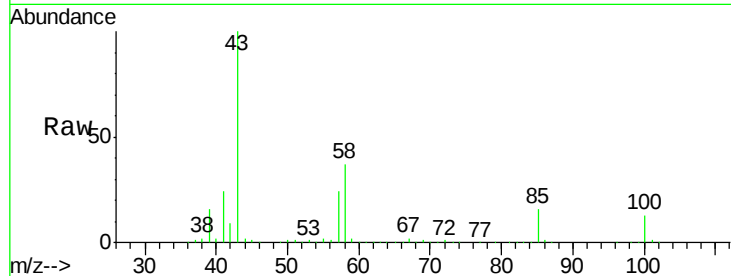
58 36.8 30.2 45.2

Manual Integrations

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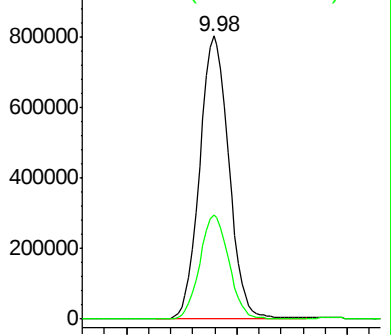
MMDadoda

10/3/2019 1:30:42 PM

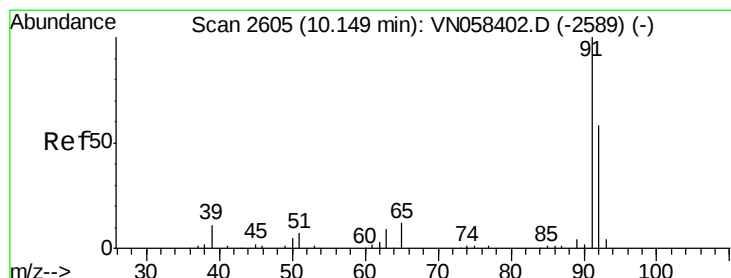
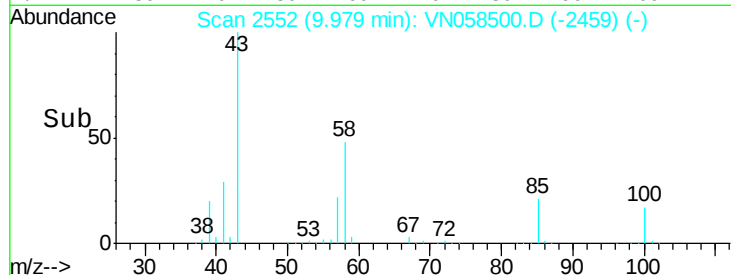


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 51.476 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058500.D

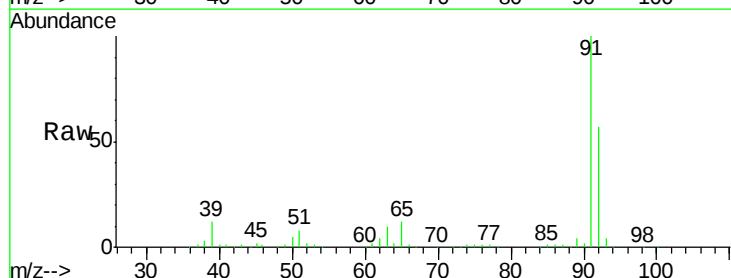
Acq: 3 Oct 2019 1:09

Tgt Ion: 92 Resp: 524088

Ion Ratio Lower Upper

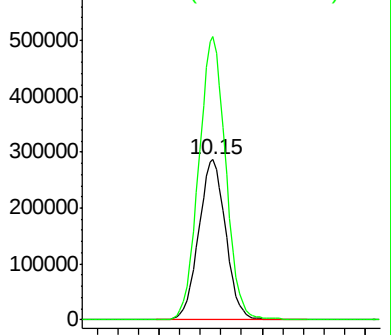
92 100

91 176.0 140.2 210.4

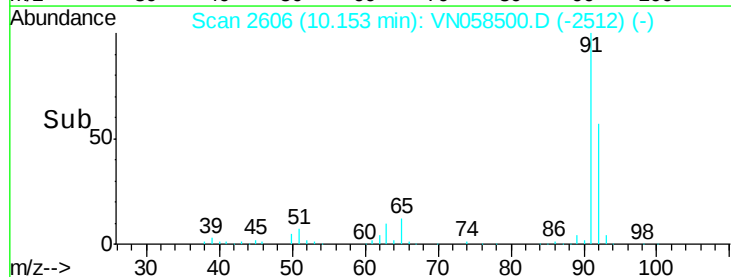


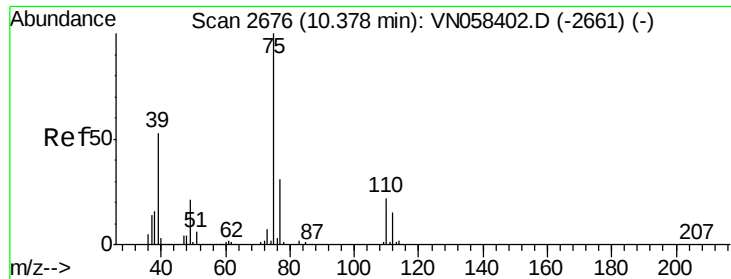
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





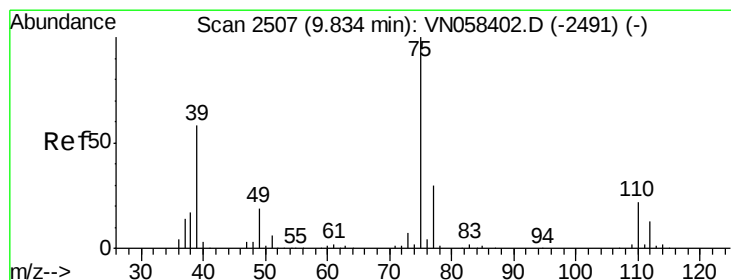
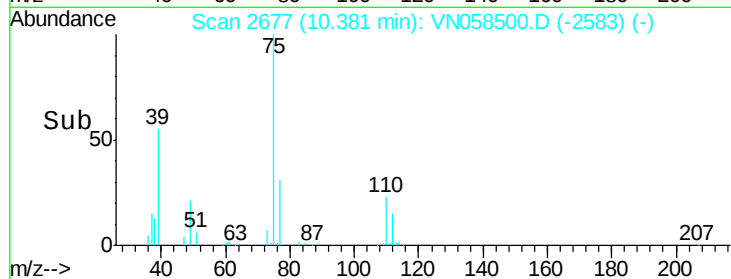
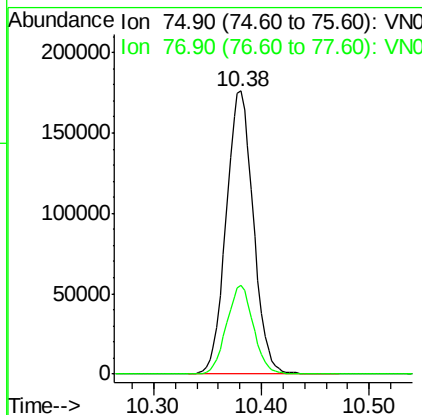
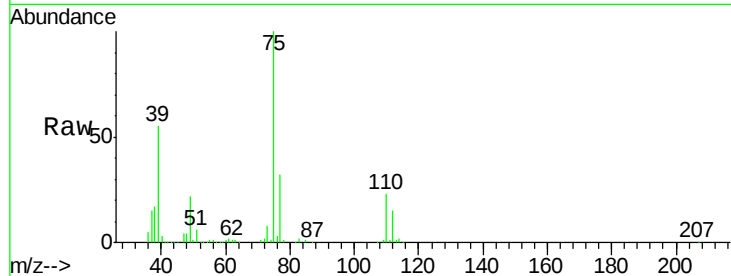
#53
 t-1,3-Dichloropropene
 Concen: 54.614 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 309415
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8

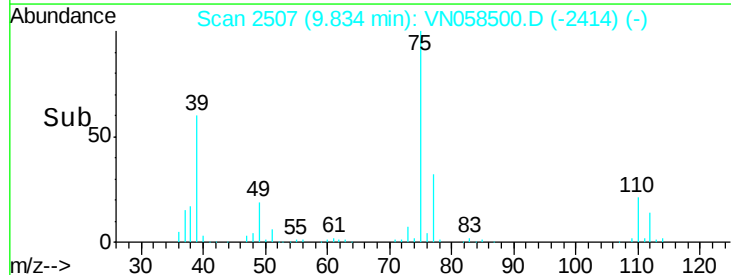
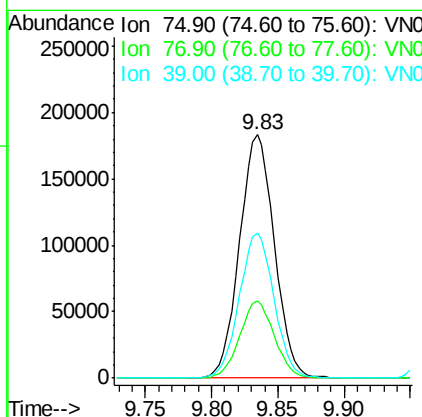
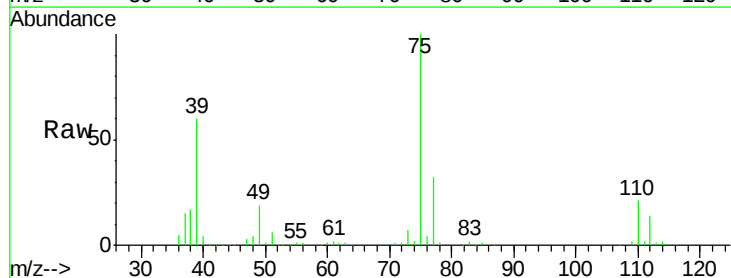
Manual Integrations
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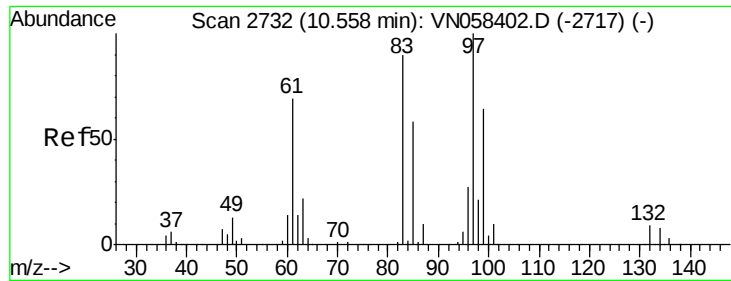
MMDadoda
 10/3/2019 1:30:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.248 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion: 75 Resp: 334870
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.2 36.4
 39 59.8 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 55.272 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 204903

Ion Ratio Lower Upper

97 100

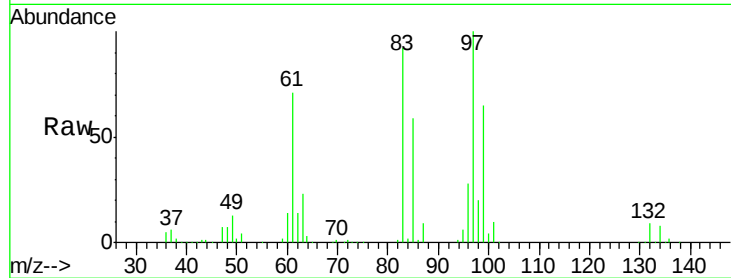
83 91.7 71.8 107.6

85 59.1 46.6 69.8

99 64.6 51.5 77.3

Manual Integrations
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MMDadoda
10/3/2019 1:30:42 PM

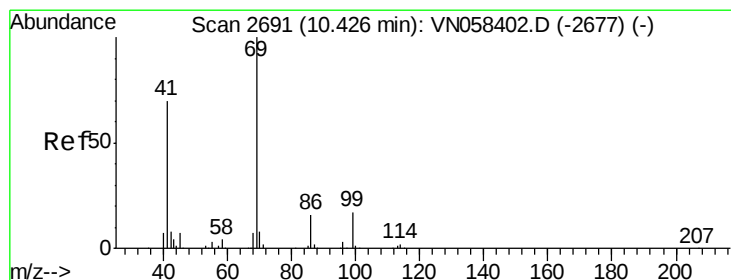
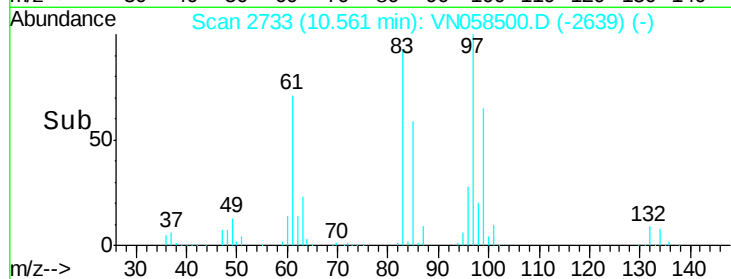
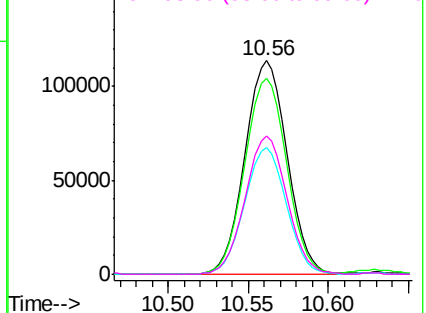


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 58.013 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

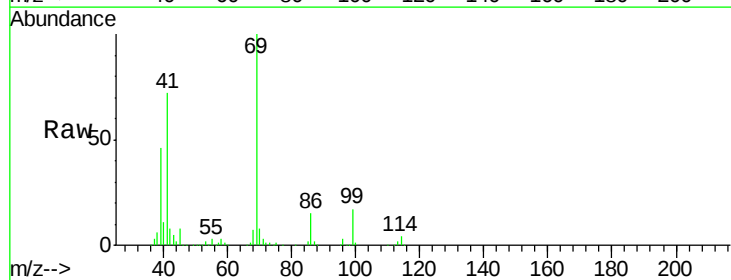
Tgt Ion: 69 Resp: 326337

Ion Ratio Lower Upper

69 100

41 71.5 56.3 84.5

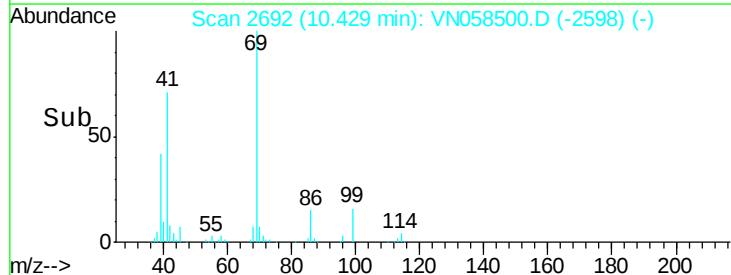
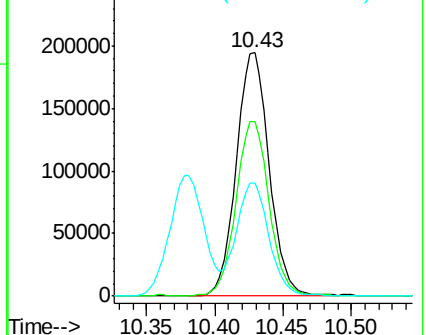
39 46.2 35.8 53.6

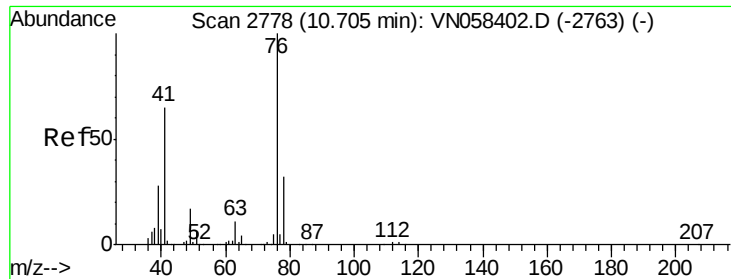


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





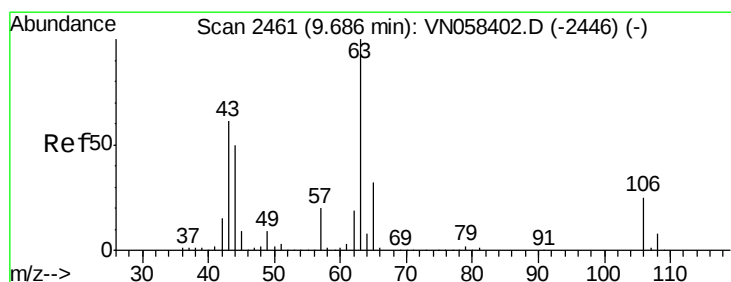
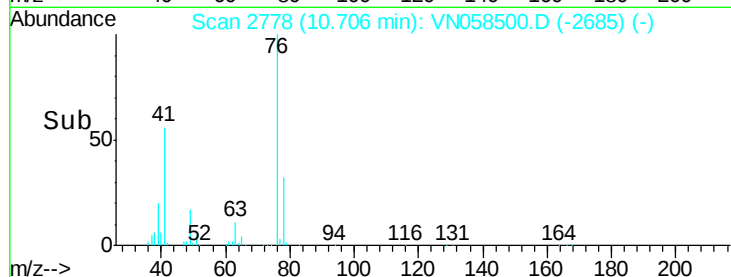
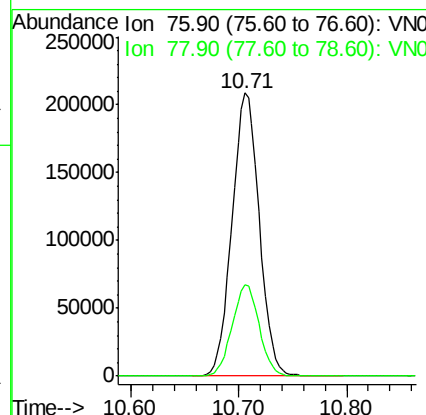
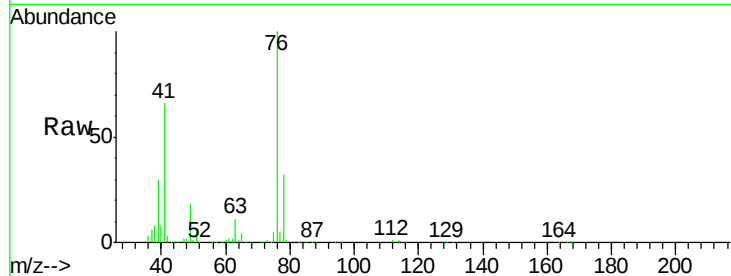
#57
 1,3-Dichloropropane
 Concen: 55.658 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 368039
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

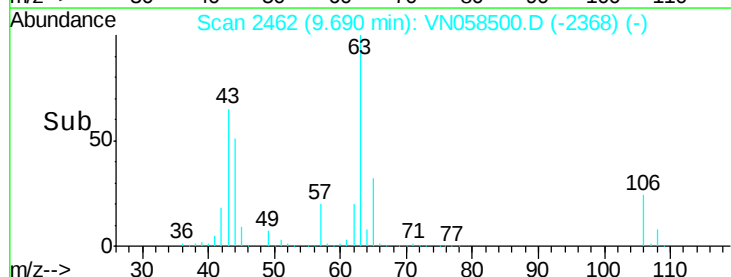
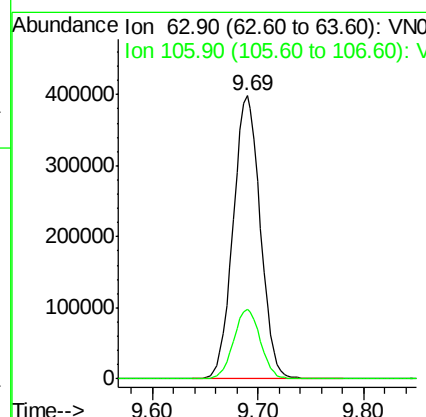
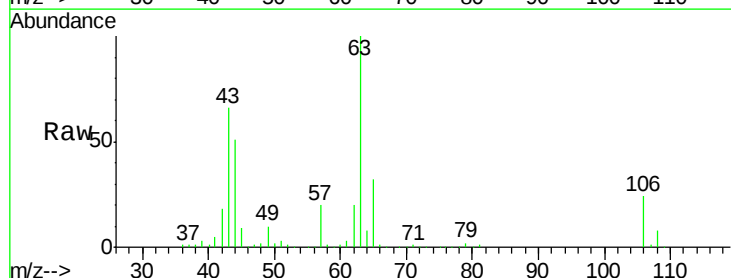
Manual Integrations
 APPROVED

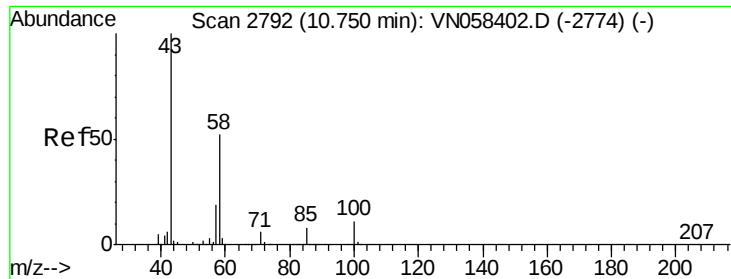
MMDadoda
 10/3/2019 1:30:42 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 315.131 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion: 63 Resp: 706854
 Ion Ratio Lower Upper
 63 100
 106 24.4 20.3 30.5





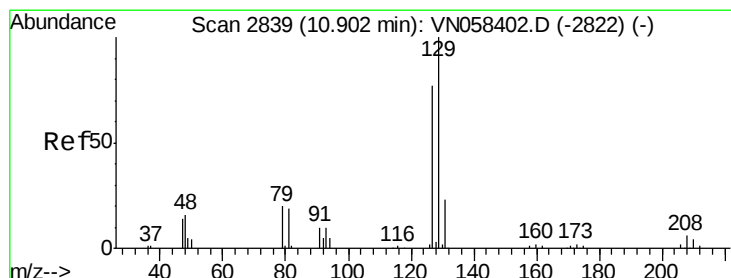
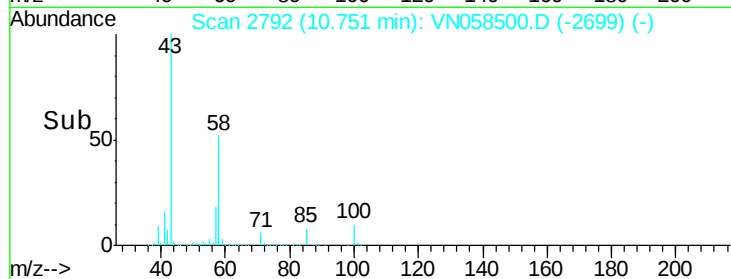
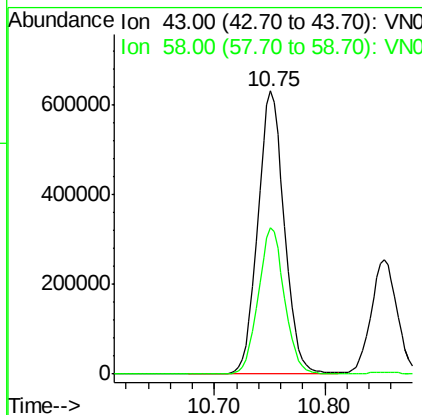
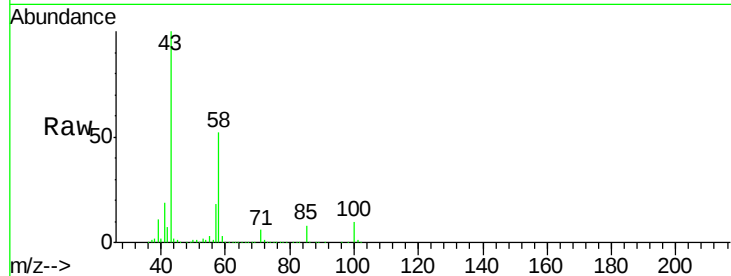
#59
2-Hexanone
Concen: 312.463 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC050EC

Tot Ion: 43 Resp: 1048501
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3

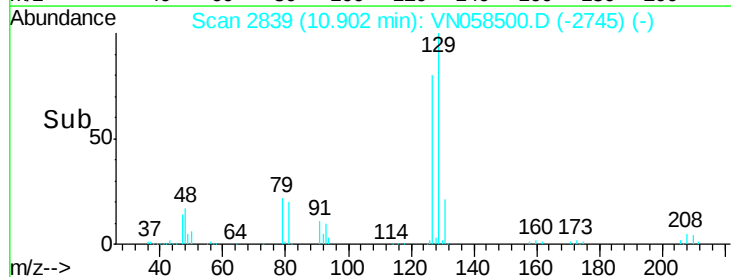
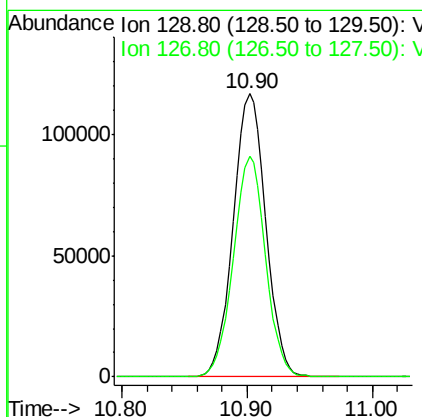
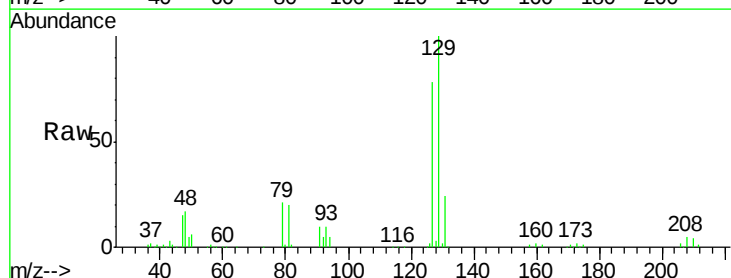
Manual Integrations
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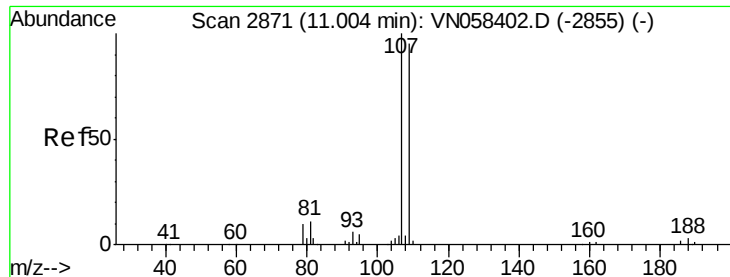
MMDadoda
10/3/2019 1:30:42 PM



#60
Dibromochloromethane
Concen: 54.932 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion: 129 Resp: 210671
Ion Ratio Lower Upper
129 100
127 76.9 38.3 114.8





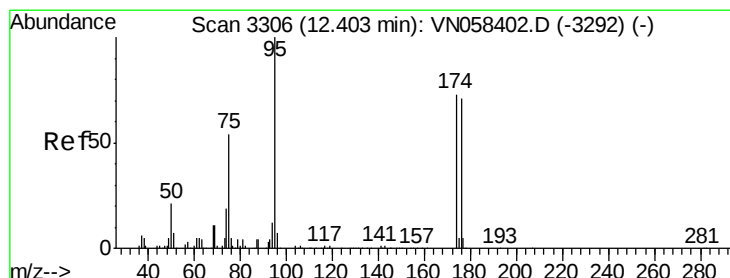
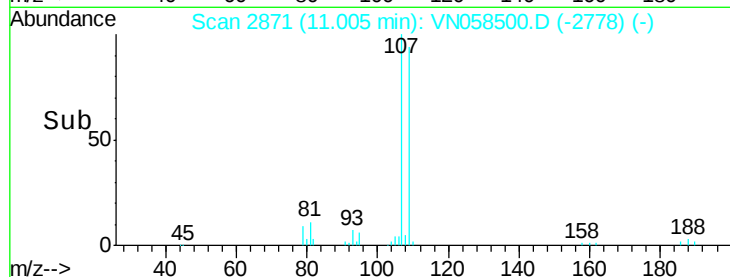
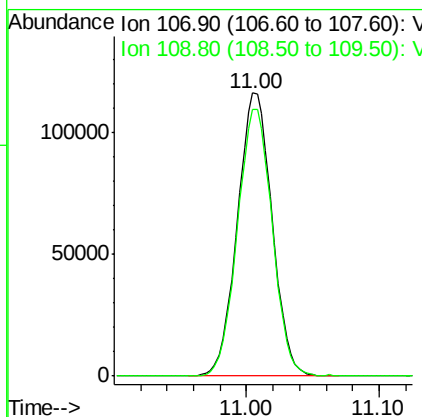
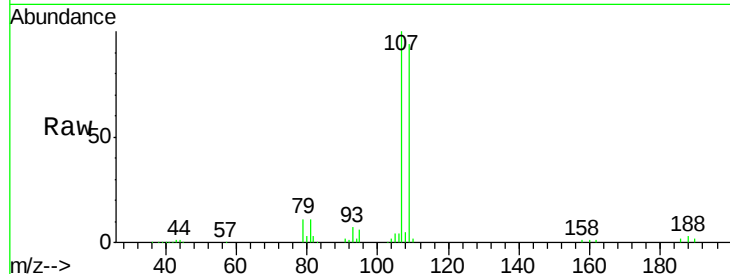
#61
 1,2-Dibromoethane
 Concen: 55.617 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.3	112.9

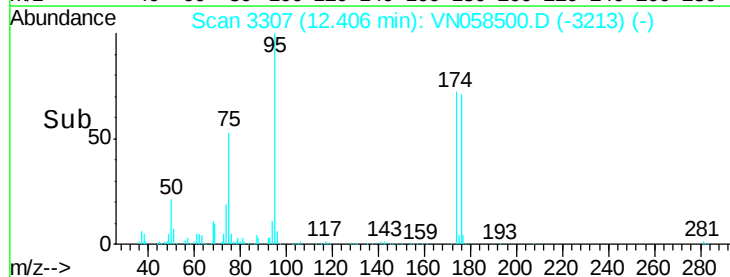
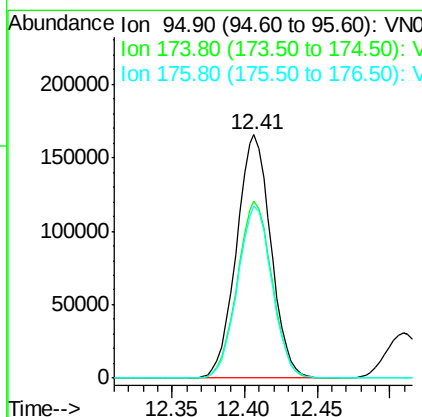
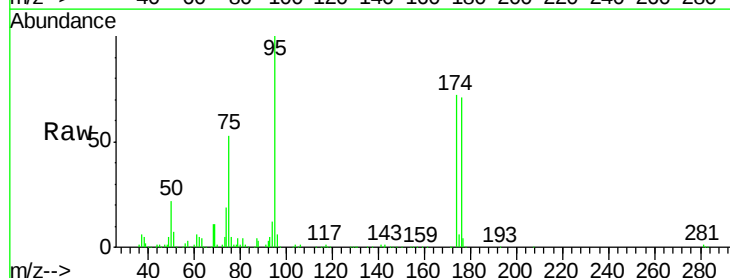
Manual Integrations
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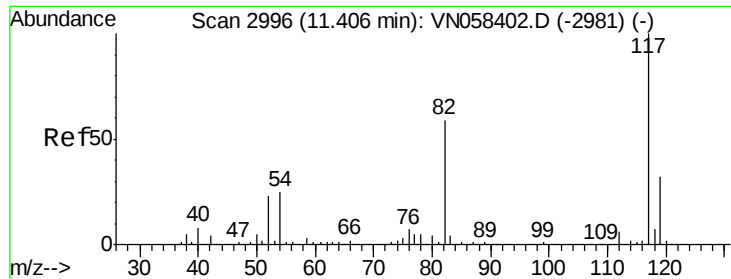
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 53.468 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	73.4	0.0	150.6
176	71.0	0.0	146.2





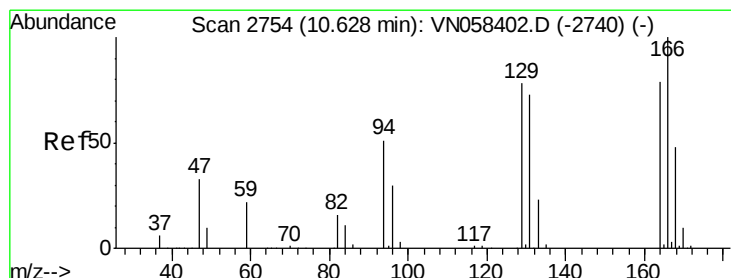
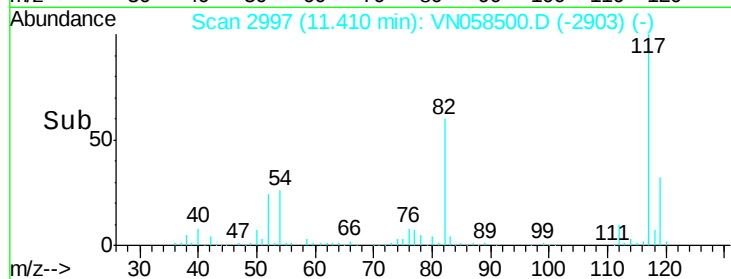
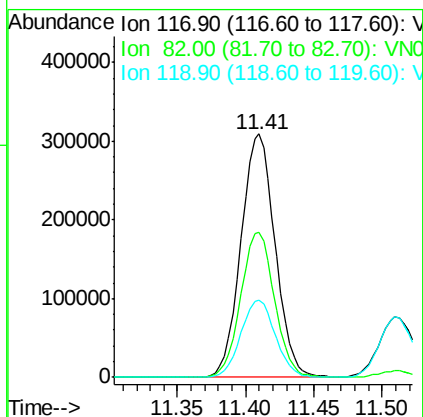
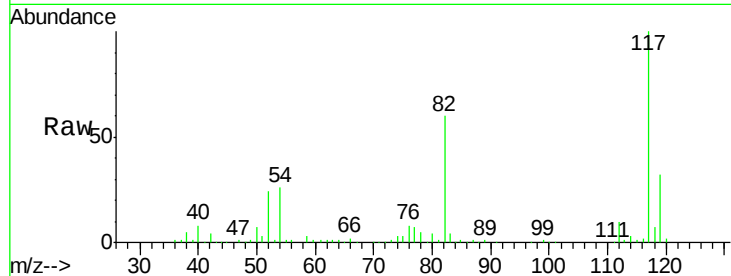
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.4	71.0
119	31.8	25.5	38.3

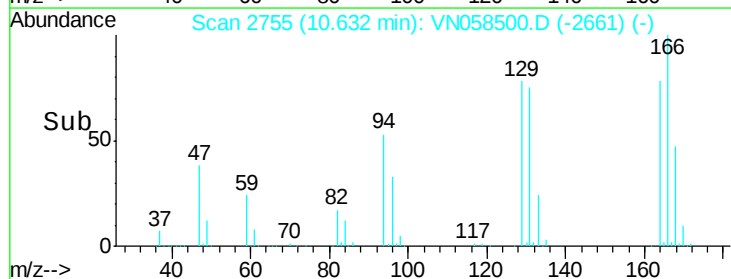
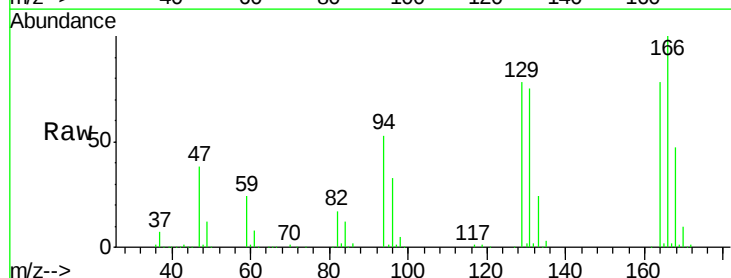
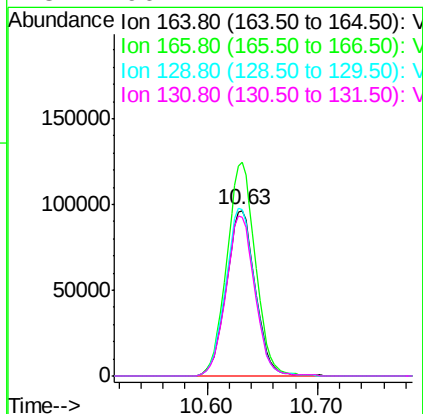
Manual Integrations
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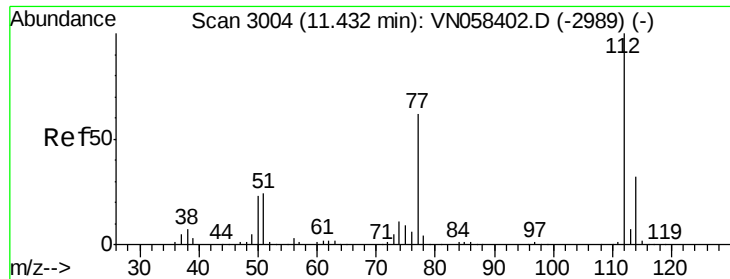
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#64
Tetrachloroethene
Concen: 51.565 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.9	101.1	151.7
129	100.7	79.2	118.8
131	96.1	74.1	111.1





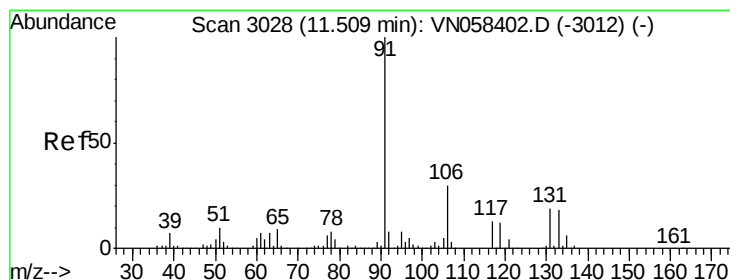
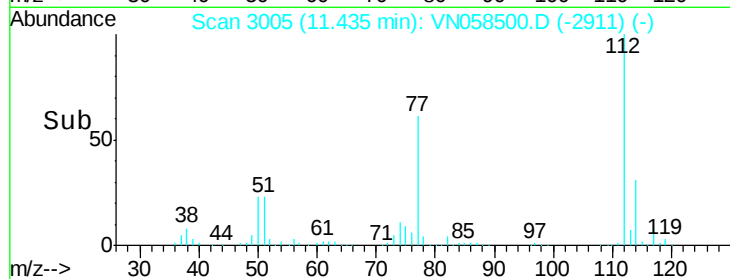
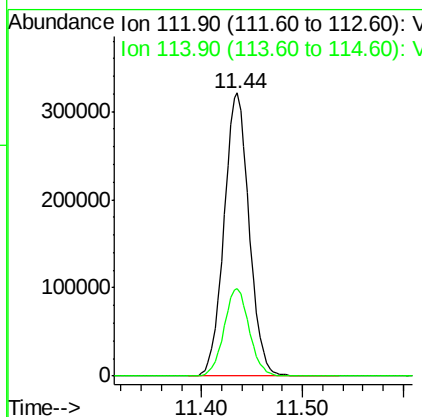
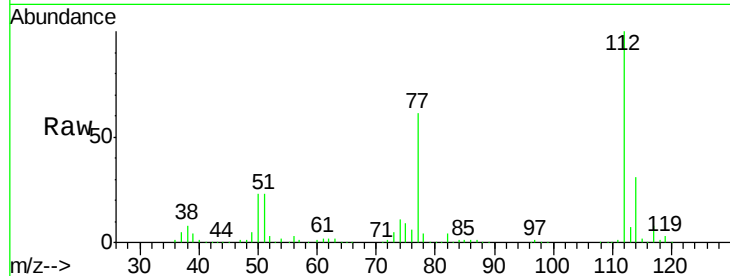
#65
Chlorobenzene
Concen: 52.239 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 556925
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.2

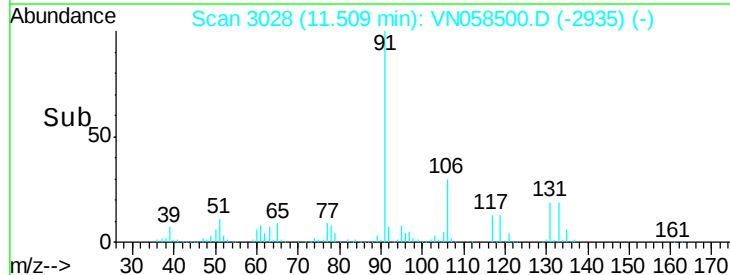
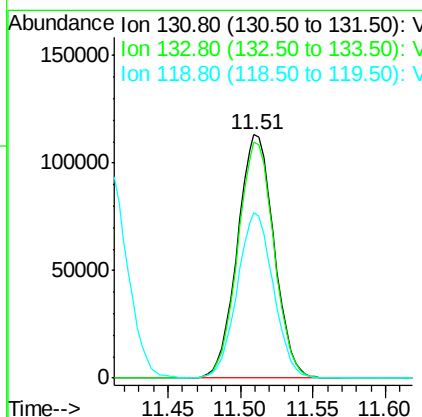
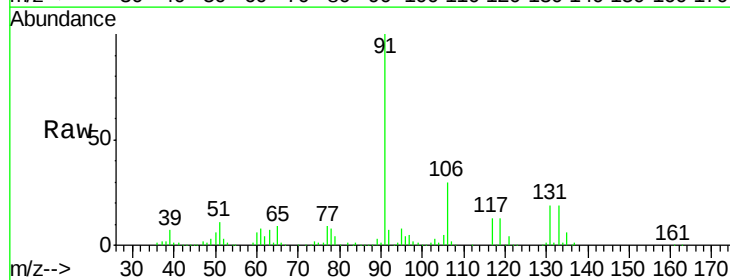
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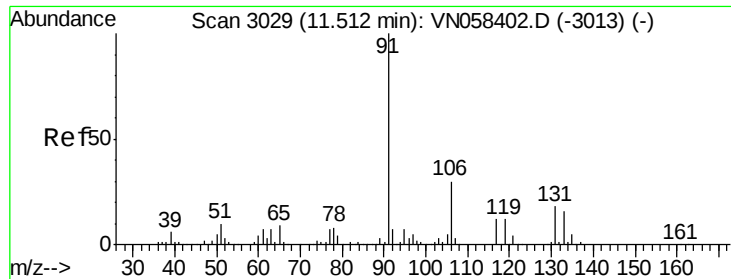
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.364 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion:131 Resp: 198864
Ion Ratio Lower Upper
131 100
133 95.9 47.8 143.3
119 66.9 33.0 99.0





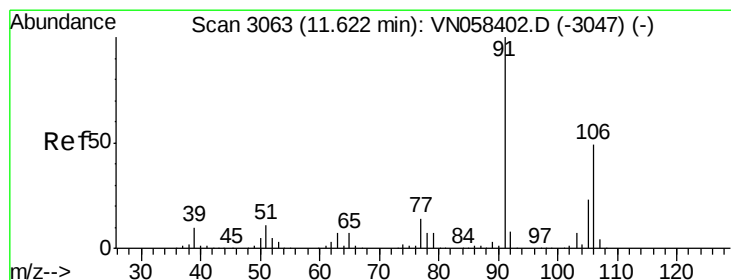
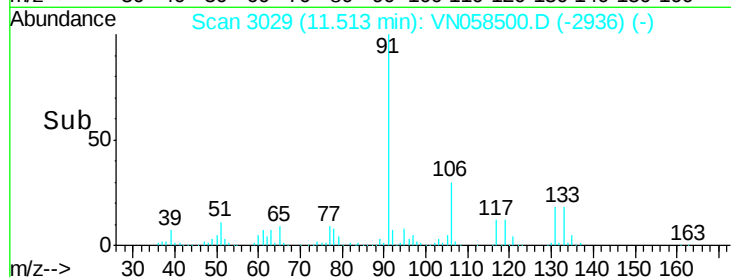
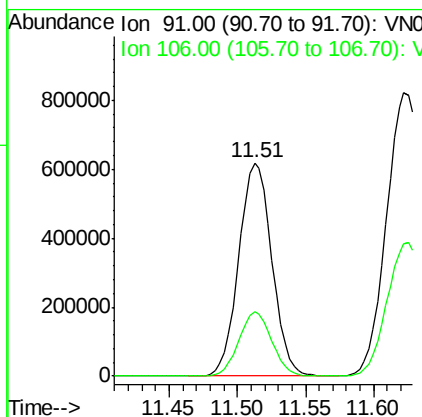
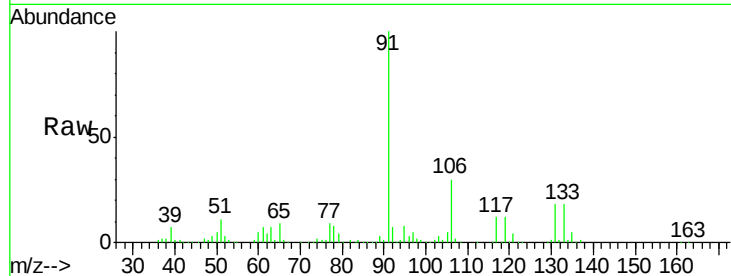
#67
Ethyl Benzene
Concen: 54.048 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1043679
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5

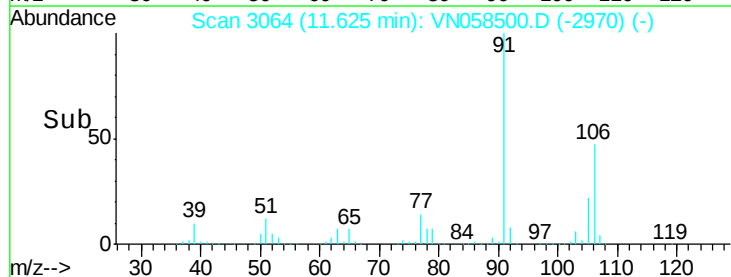
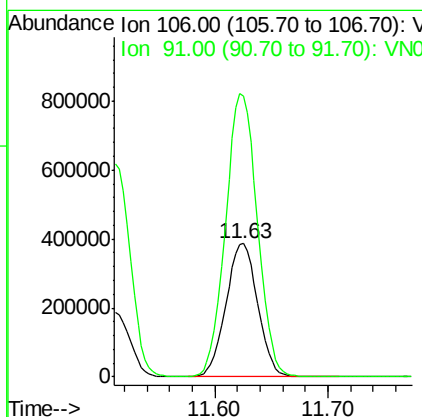
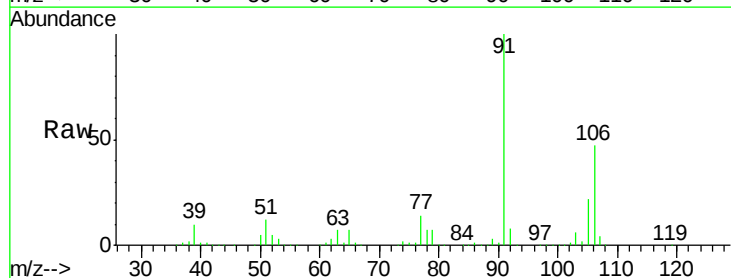
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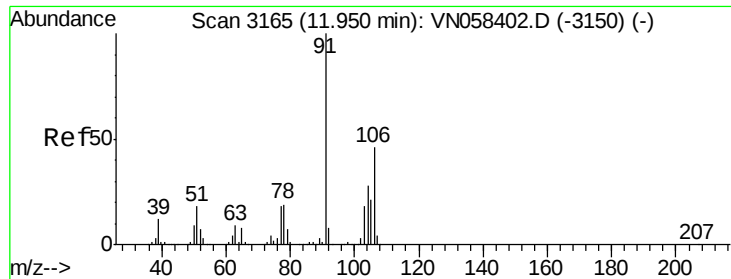
MMDadoda
10/3/2019 1:30:42 PM



#68
m/p-Xylenes
Concen: 103.523 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion: 106 Resp: 752123
Ion Ratio Lower Upper
106 100
91 212.5 165.0 247.4





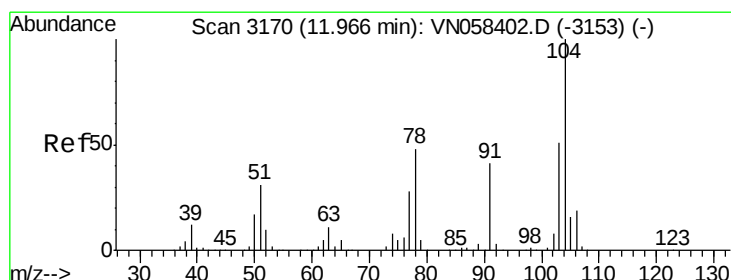
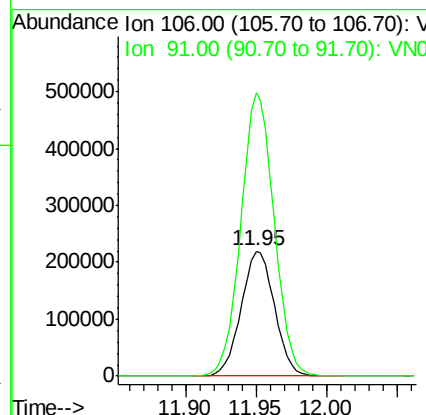
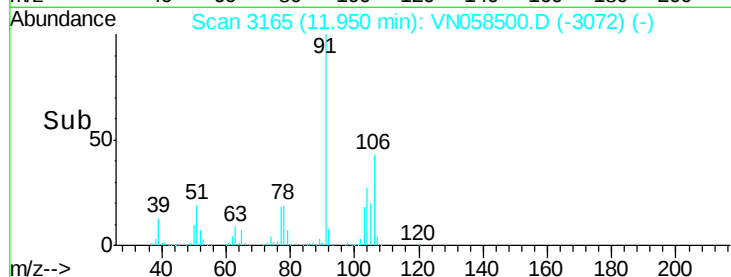
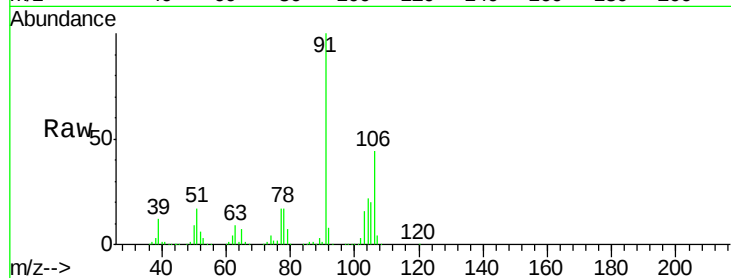
#69
o-Xylene
Concen: 52.225 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 365252
Ion Ratio Lower Upper
106 100
91 224.5 109.1 327.4

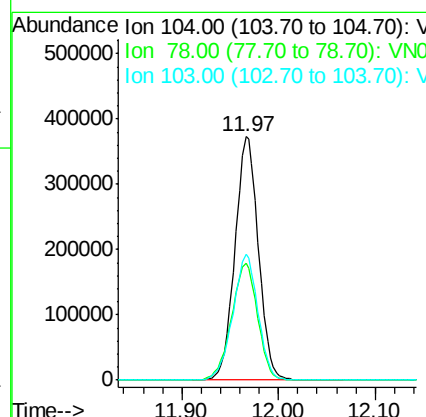
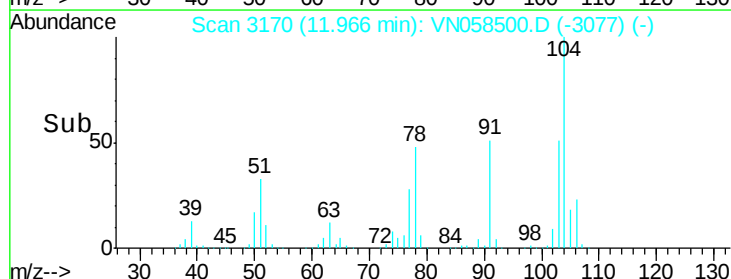
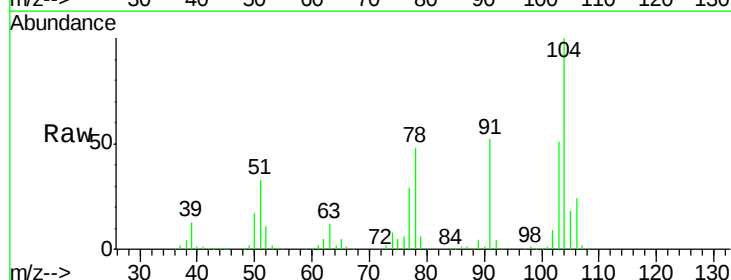
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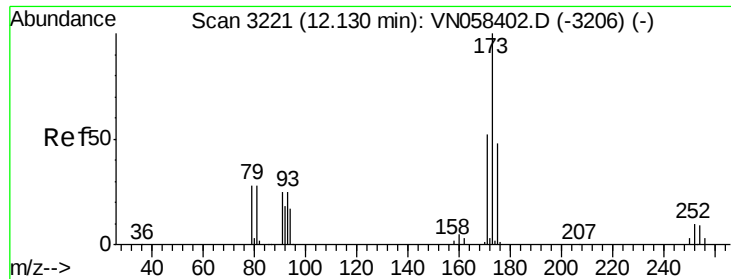
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#70
Styrene
Concen: 55.292 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion:104 Resp: 628225
Ion Ratio Lower Upper
104 100
78 53.1 42.8 64.2
103 55.4 43.7 65.5





#71

Bromoform

Concen: 54.844 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 136307

Ion Ratio Lower Upper

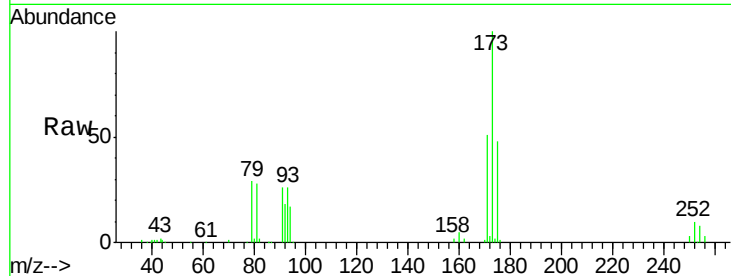
173 100

175 48.2 24.3 73.0

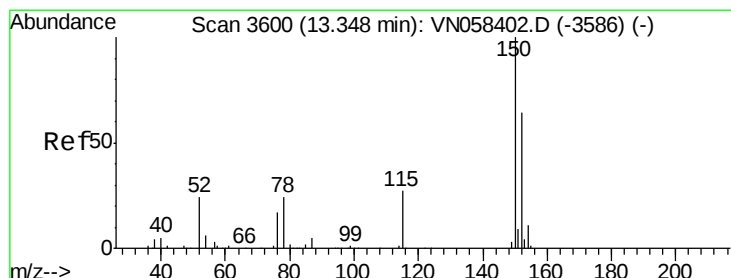
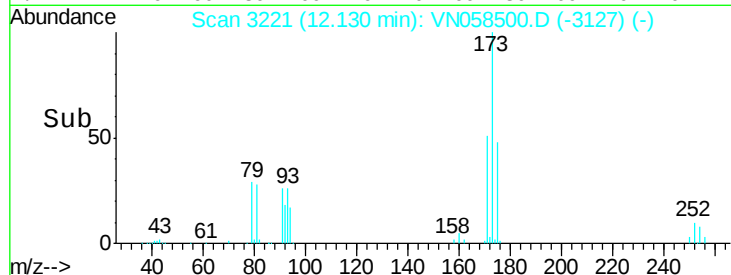
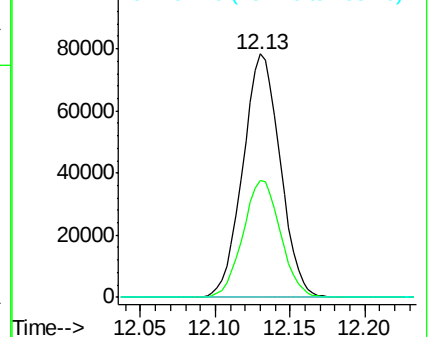
254 0.0 0.1 0.1#

Manual Integrations
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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# 3601

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

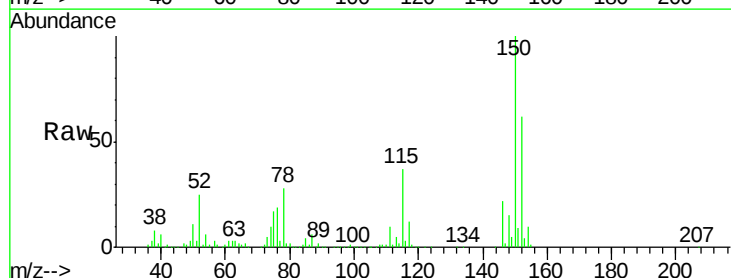
Tgt Ion:152 Resp: 259207

Ion Ratio Lower Upper

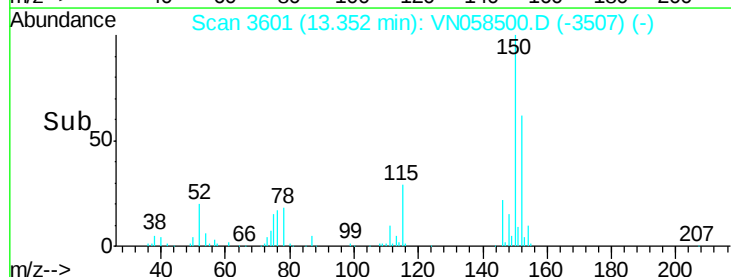
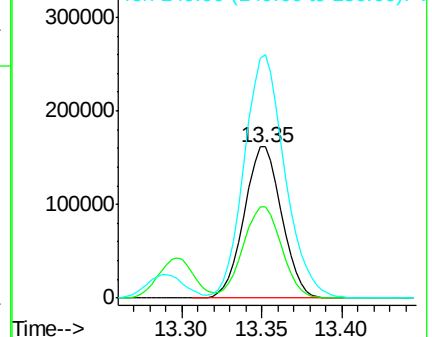
152 100

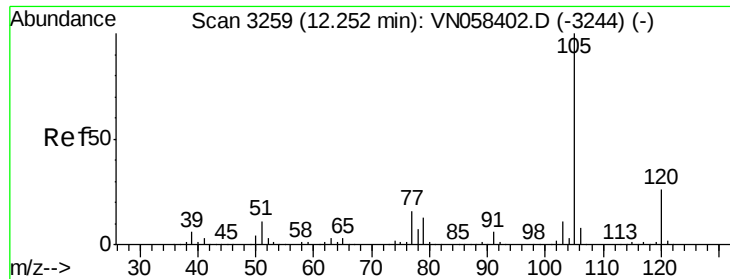
115 62.0 30.0 90.0

150 174.5 0.0 348.2



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: 52.633 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1008244

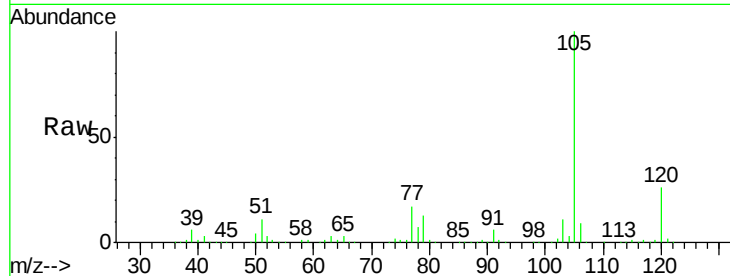
Ion Ratio Lower Upper

105 100

120 25.4 12.8 38.4

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

Ion 120.00 (119.70 to 120.70): V

12.26

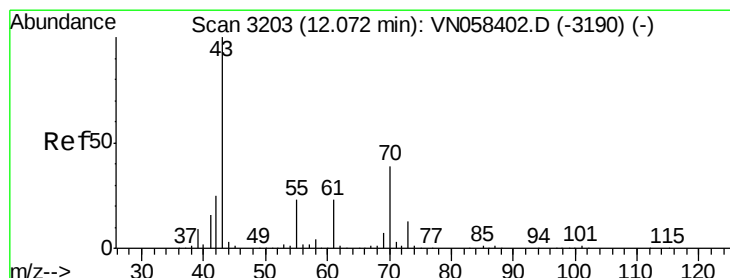
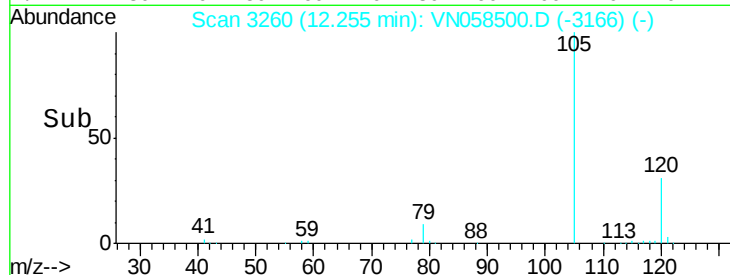
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 55.073 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion: 43 Resp: 419698

Ion Ratio Lower Upper

43 100

70 38.9 31.4 47.2

55 23.8 18.2 27.4

61 22.2 18.3 27.5

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

12.07

400000

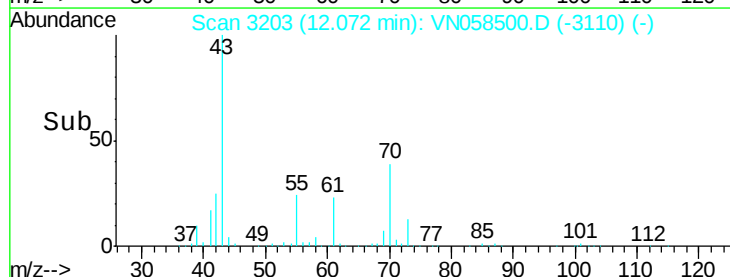
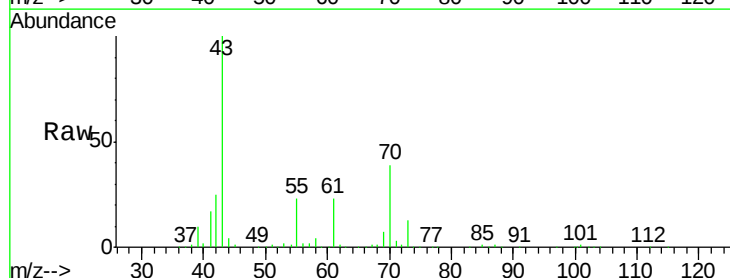
300000

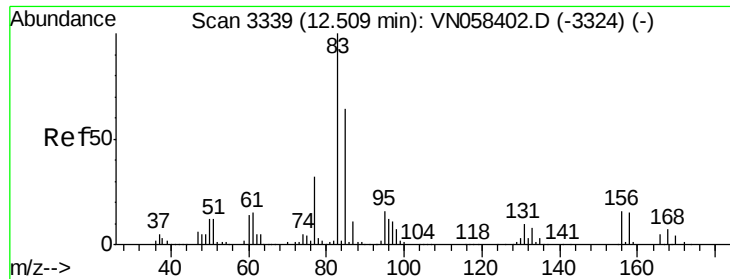
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 56.012 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

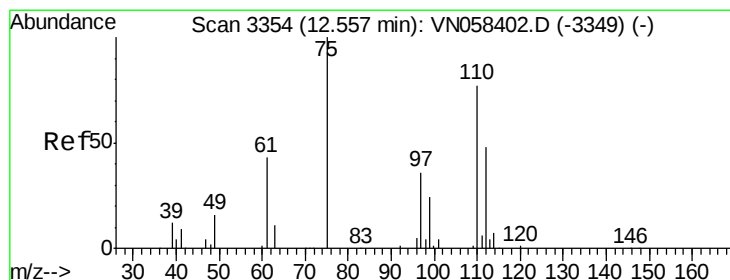
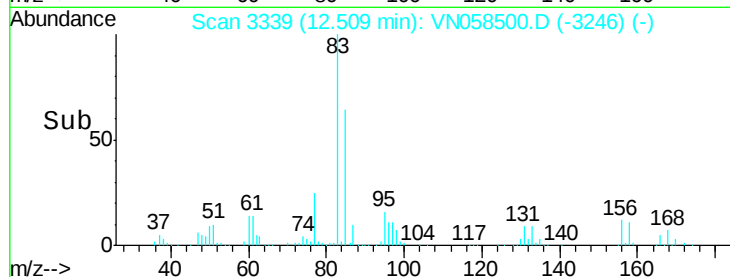
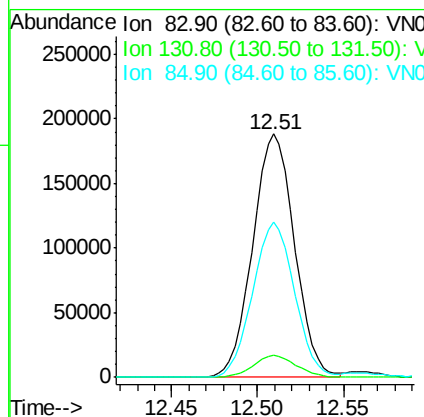
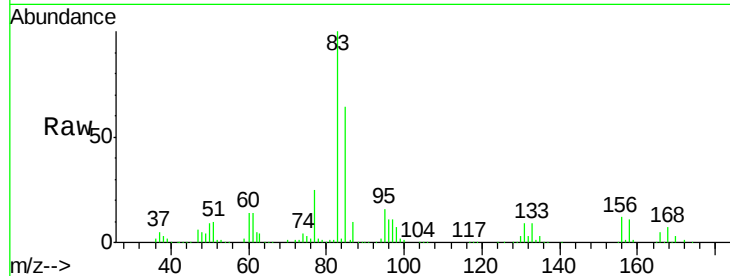
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	317280
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.9	14.7
85	63.7	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 58.165 ug/l m

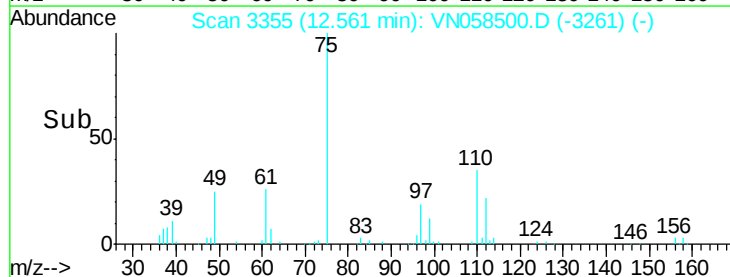
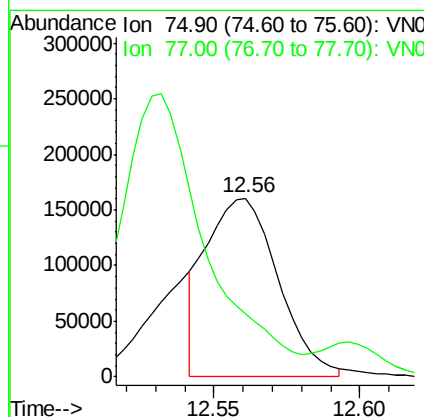
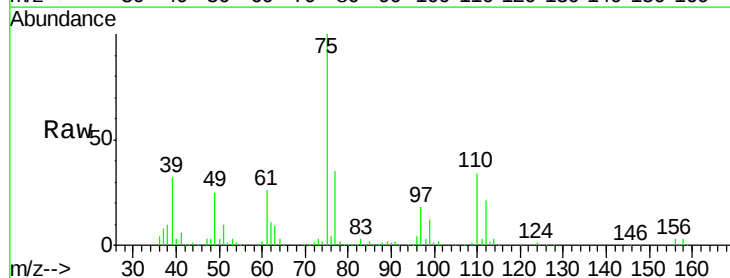
RT: 12.56 min Scan# 3355

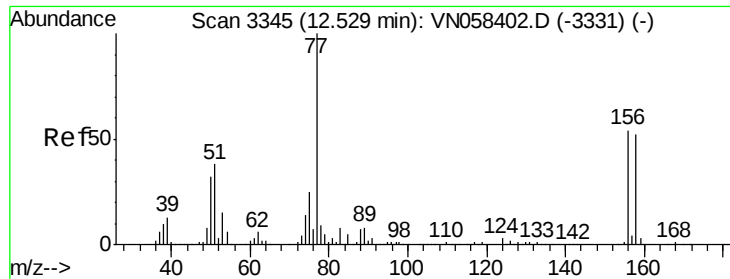
Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion:	75	Resp:	275378
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.884 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

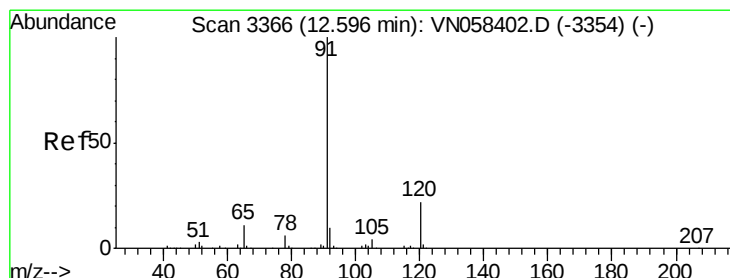
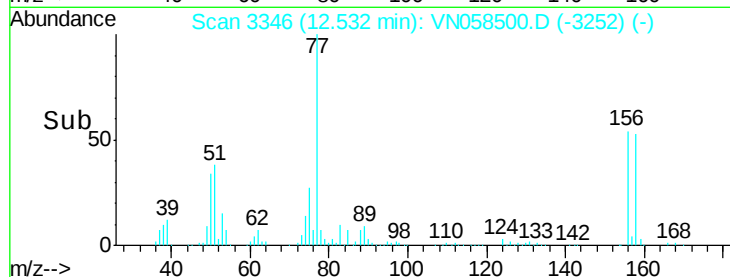
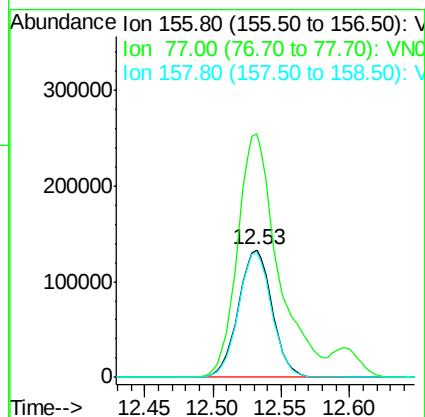
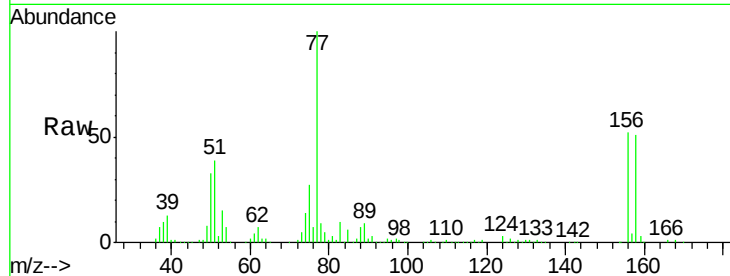
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	228.4	110.0	330.0	
158	96.9	47.9	143.8	

Manual Integrations
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MMDadoda
10/3/2019 1:30:42 PM



#78

n-propylbenzene

Concen: 54.656 ug/l

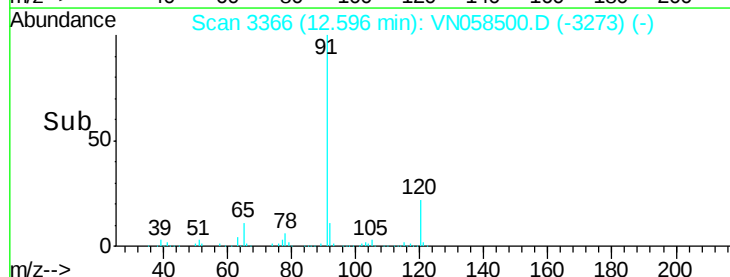
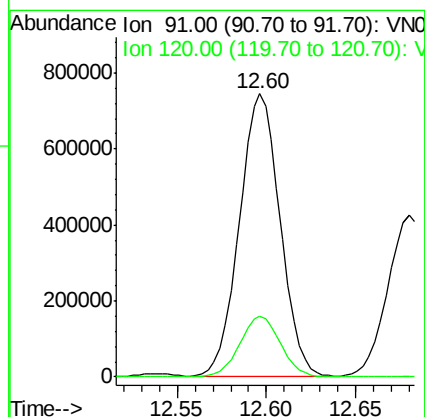
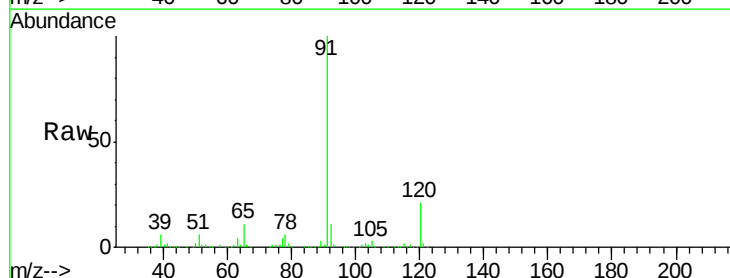
RT: 12.60 min Scan# 3366

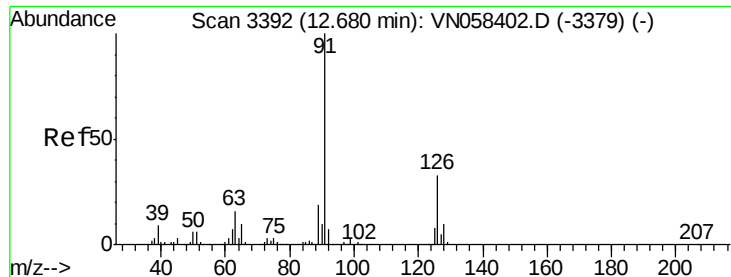
Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	21.5	10.9	32.9	





#79

2-Chlorotoluene

Concen: 52.408 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 698108

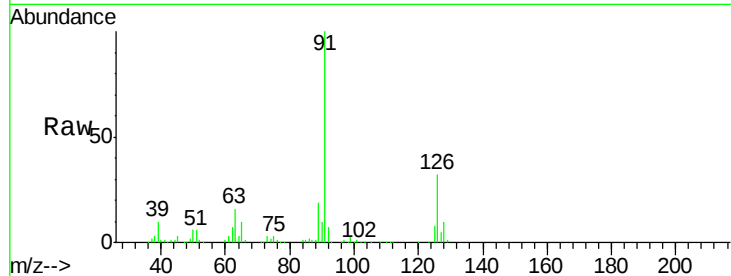
Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6

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Abundance Ion 91.00 (90.70 to 91.70): VN058500.D (-3299) (-)

Ion 125.90 (125.60 to 126.60): VN058500.D (-3299) (-)

500000

400000

300000

200000

100000

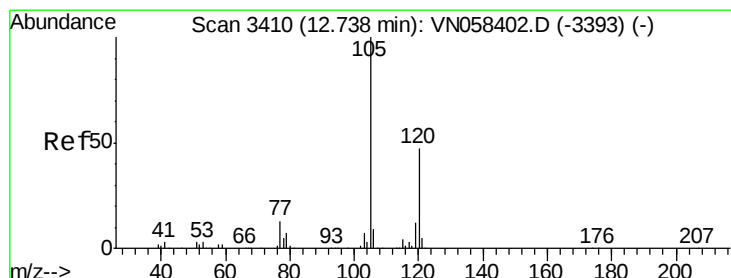
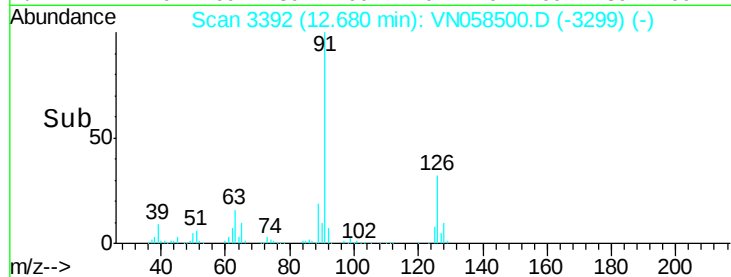
0

12.65

12.68

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.747 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058500.D

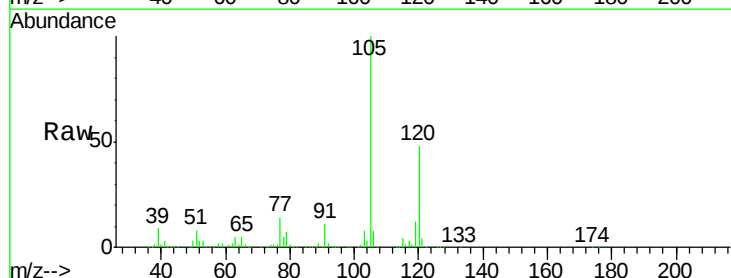
Acq: 3 Oct 2019 1:09

Tgt Ion: 105 Resp: 861860

Ion Ratio Lower Upper

105 100

120 46.9 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): VN058500.D (-3317) (-)

Ion 120.00 (119.70 to 120.70): VN058500.D (-3317) (-)

600000

500000

400000

300000

200000

100000

0

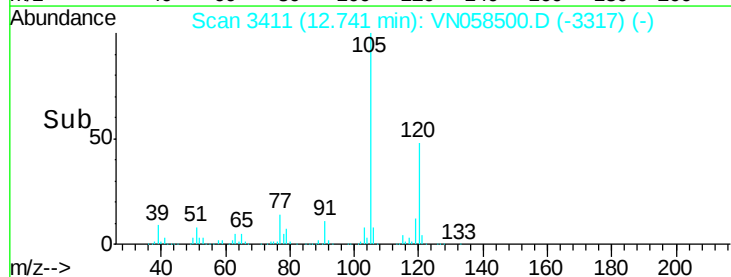
12.65

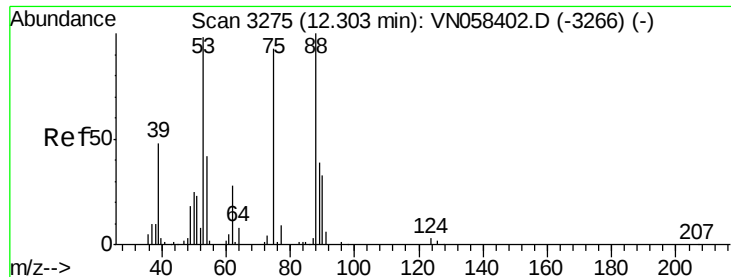
12.70

12.74

12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 49.078 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

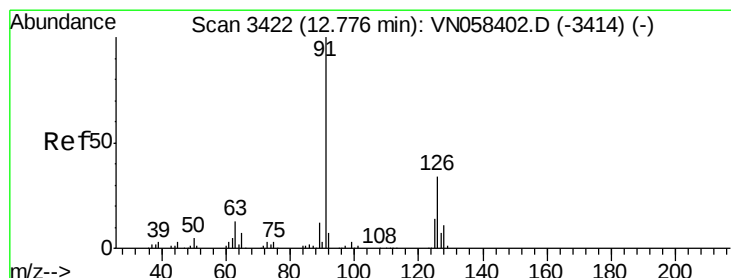
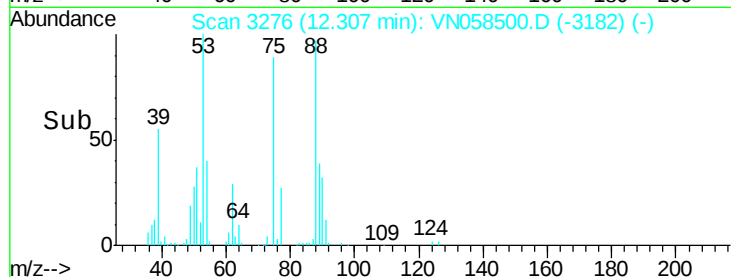
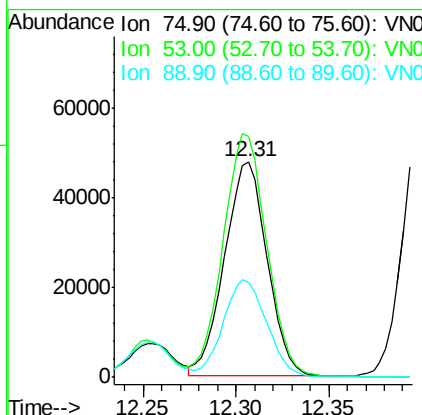
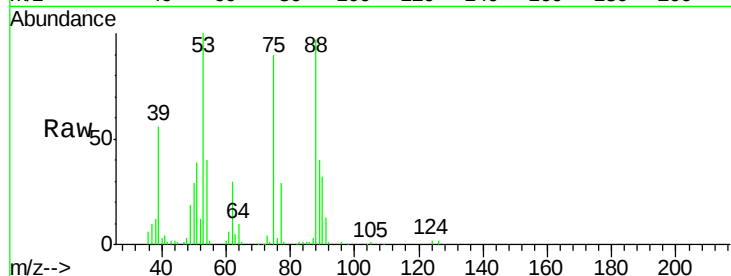
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	76506
Ion Ratio	Lower	Upper	
75	100		
53	117.5	85.4	128.0
89	46.3	35.0	52.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.718 ug/l

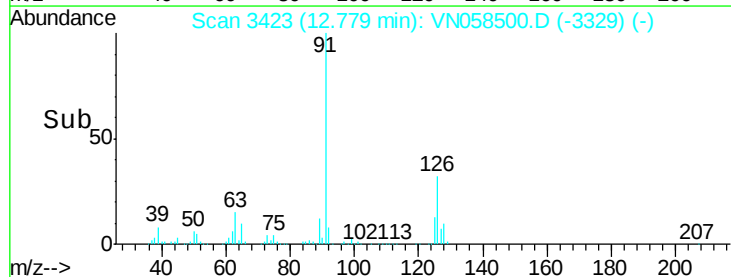
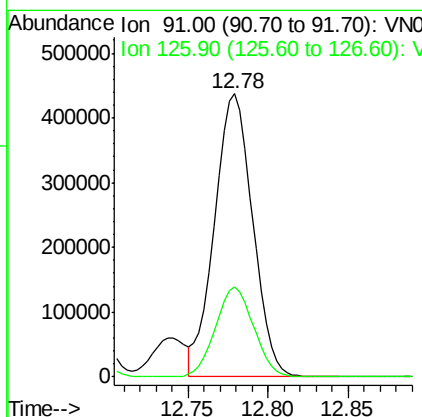
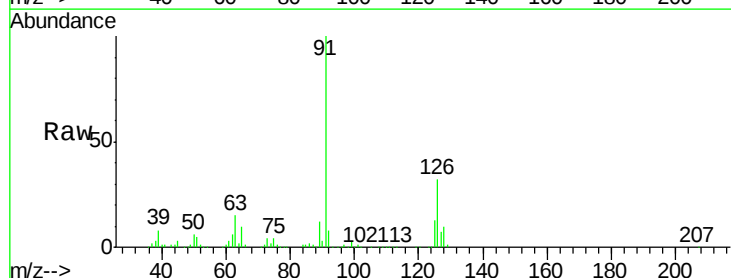
RT: 12.78 min Scan# 3423

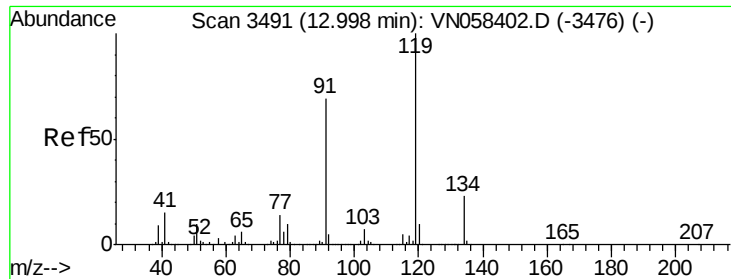
Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion:	91	Resp:	716571
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.9	47.7





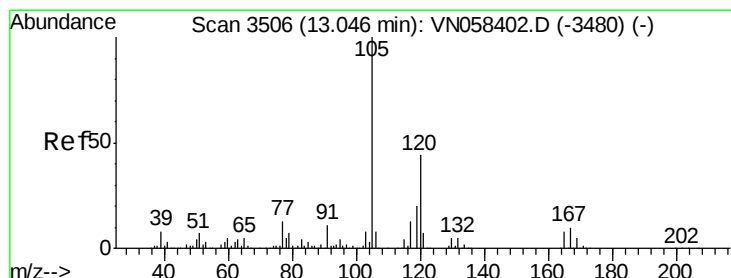
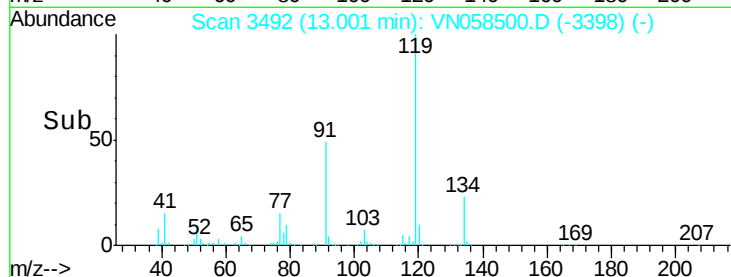
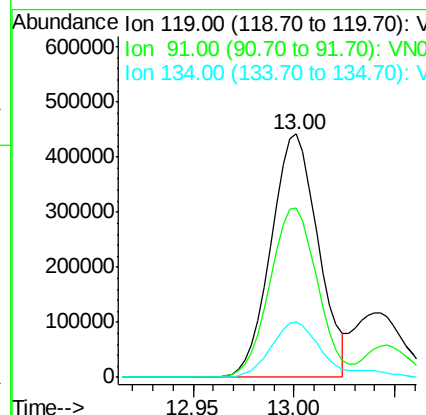
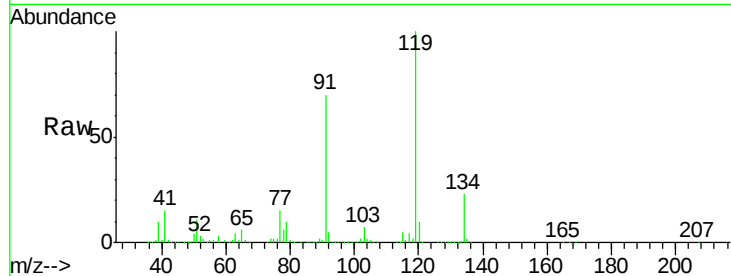
#83
tert-Butylbenzene
Concen: 52.922 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.1	34.2	102.6
134	25.5	11.6	34.8

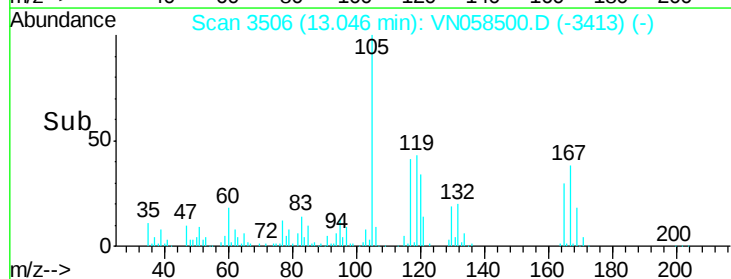
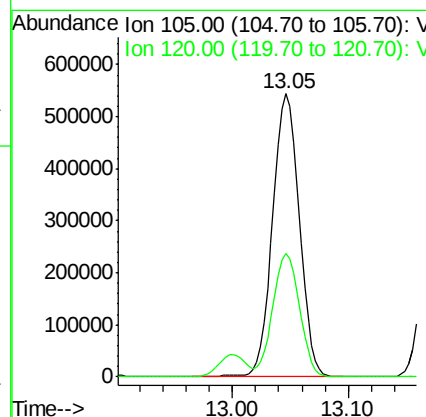
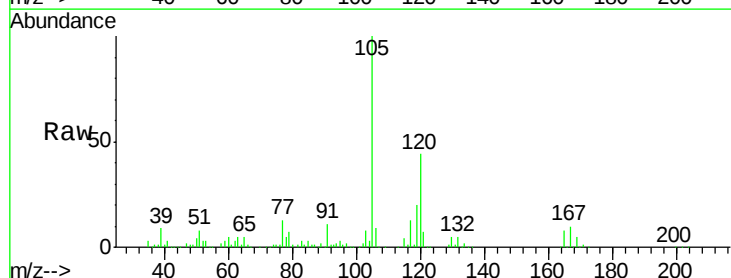
Manual Integrations
APPROVED

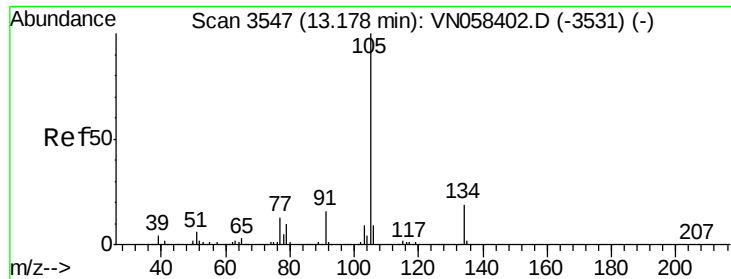
MMDadoda
10/3/2019 1:30:42 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.128 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	21.7	65.1





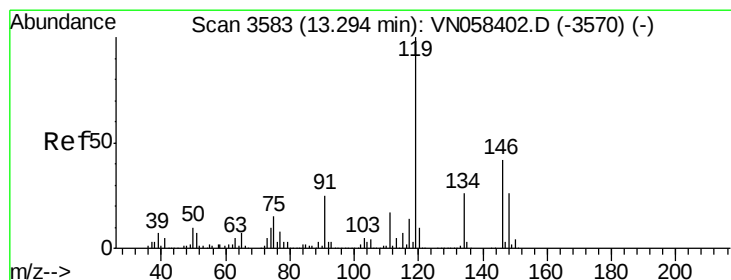
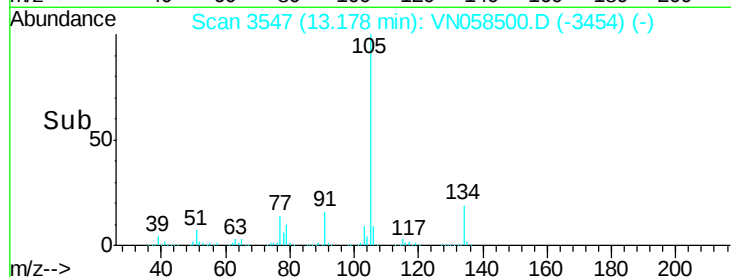
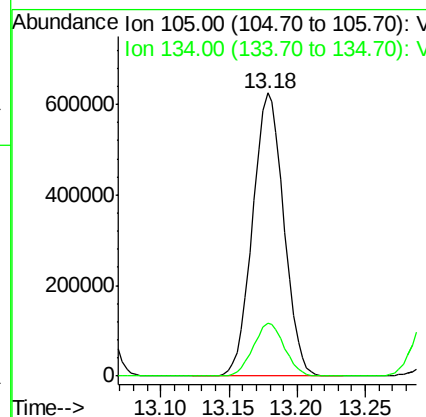
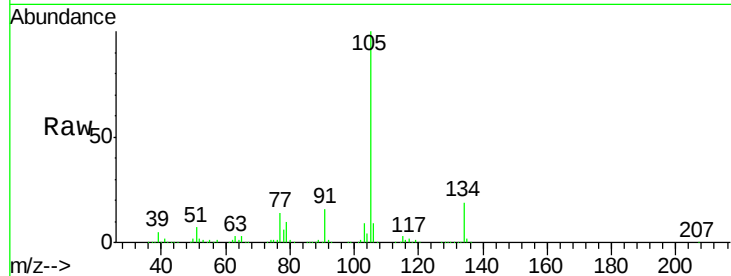
#85
 sec-Butylbenzene
 Concen: 55.584 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
105	100	989915		
134	18.8	9.4	28.2	

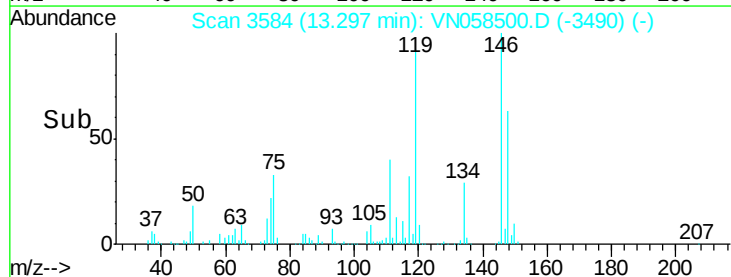
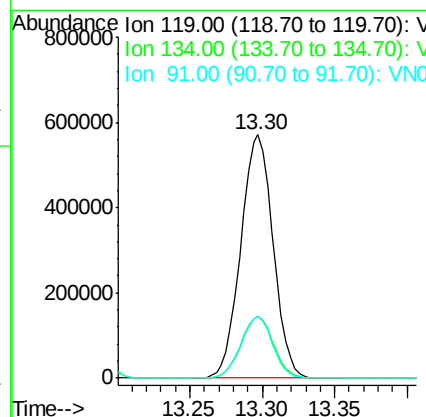
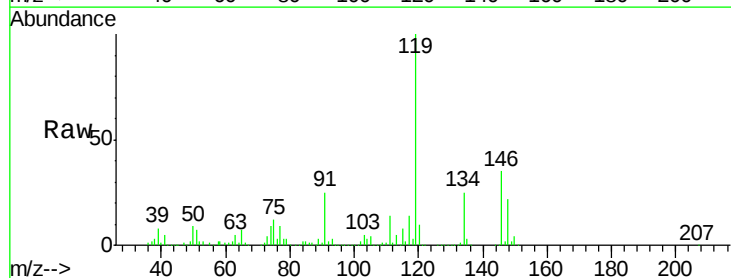
Manual Integrations
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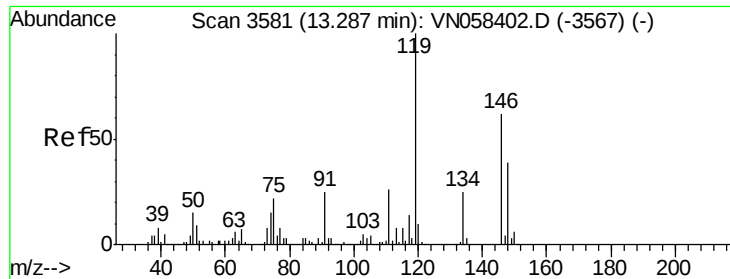
MMDadoda
 10/3/2019 1:30:42 PM



#86
 p-Isopropyltoluene
 Concen: 56.146 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	880180		
134	25.4	13.0	39.0	
91	25.1	12.4	37.0	





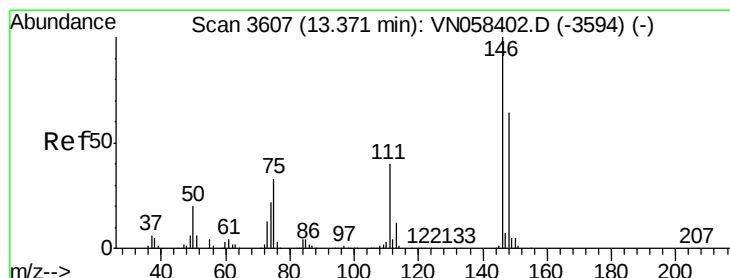
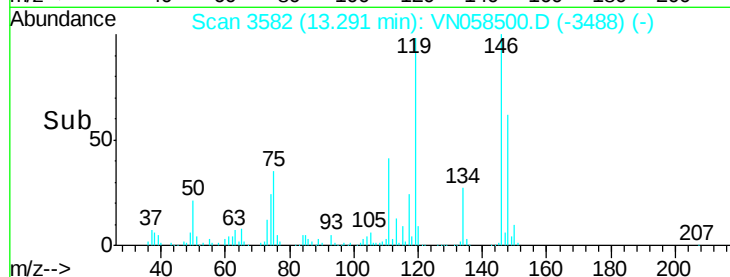
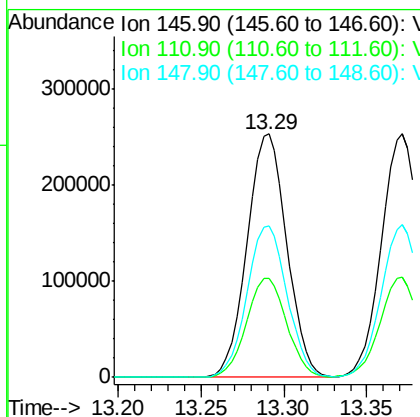
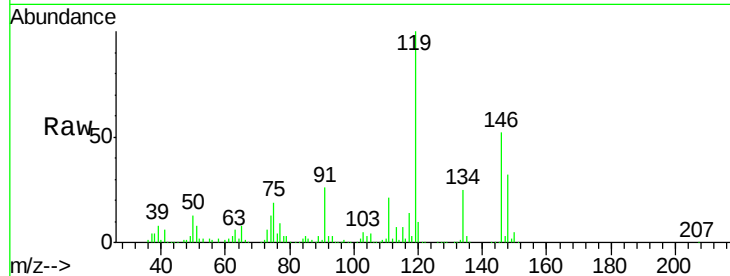
#87
 1,3-Dichlorobenzene
 Concen: 51.755 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	20.8	62.4
148	62.9	31.4	94.3

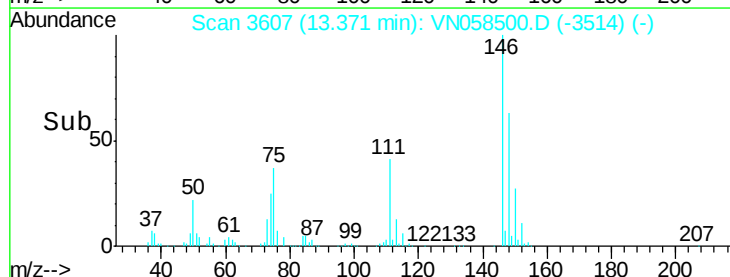
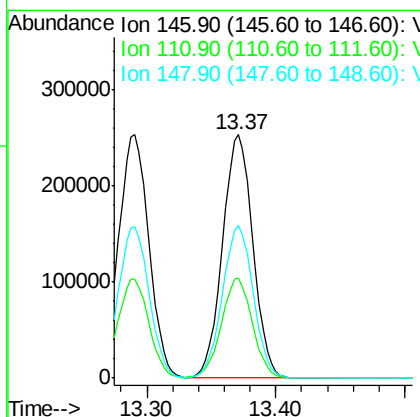
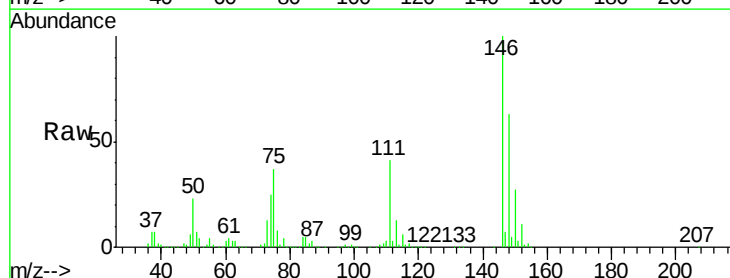
Manual Integrations
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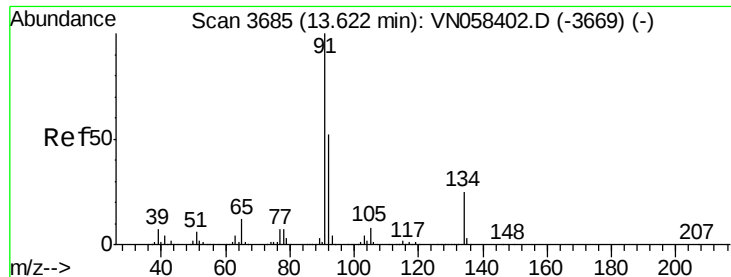
MMDadoda
 10/3/2019 1:30:42 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.903 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.5	61.6
148	63.5	31.5	94.5





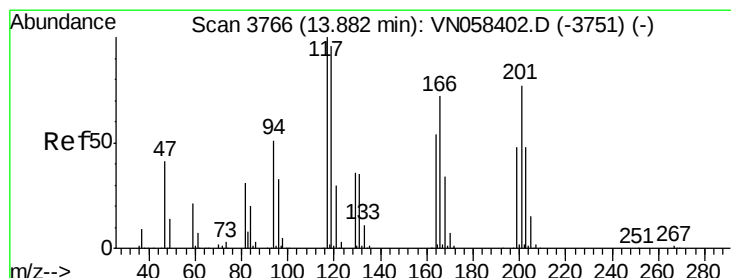
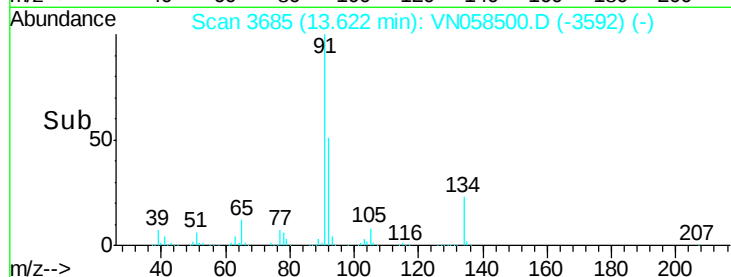
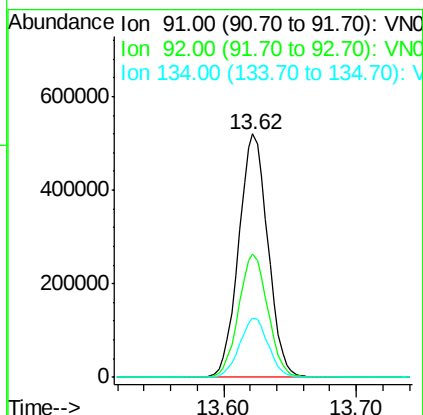
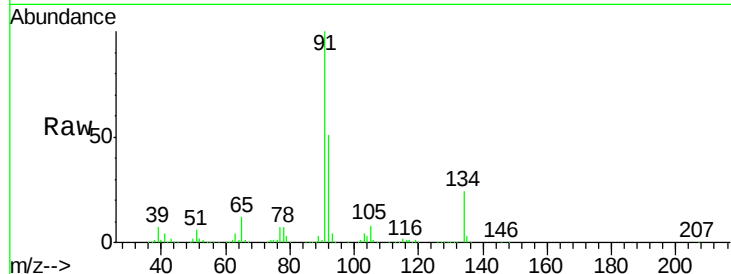
#89
n-Butylbenzene
Concen: 55.976 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.7	25.7	77.1
134	23.9	12.2	36.6

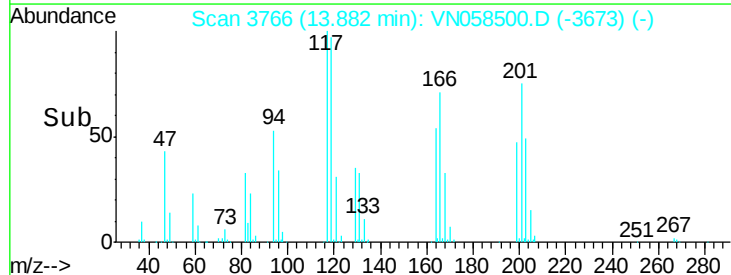
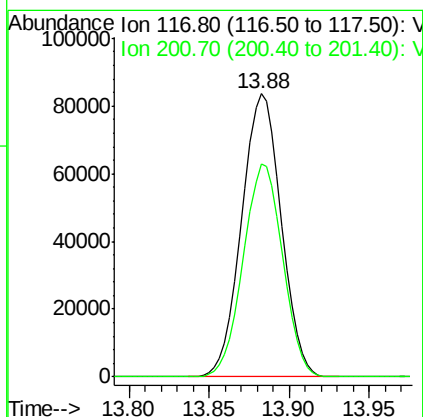
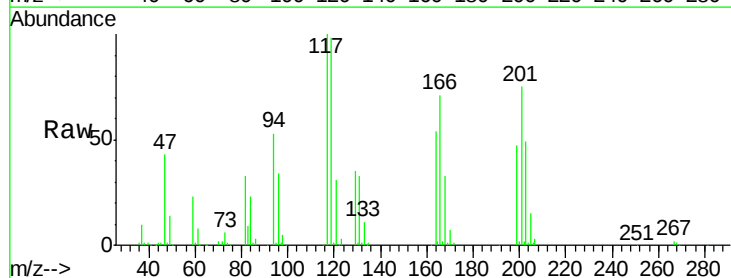
Manual Integrations
APPROVED

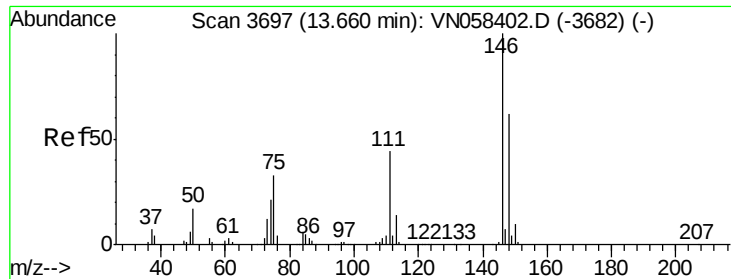
MMDadoda
10/3/2019 1:30:42 PM



#90
Hexachloroethane
Concen: 59.877 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058500.D
Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.9	38.6	116.0





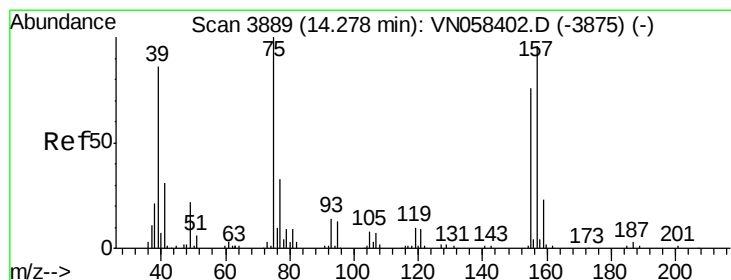
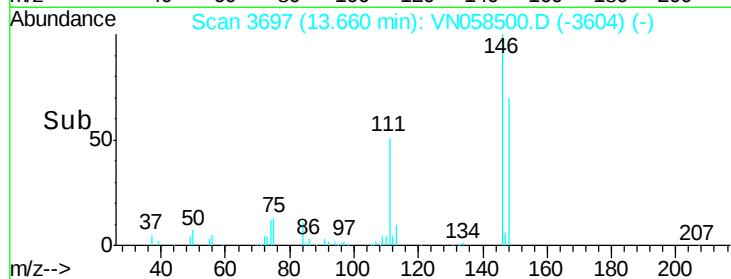
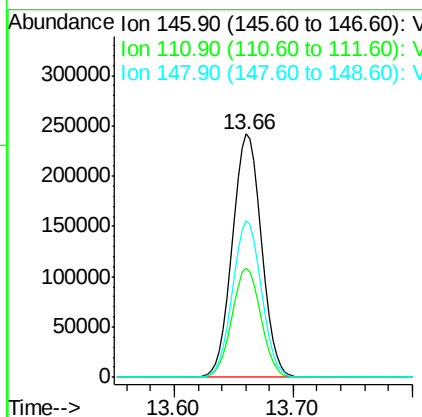
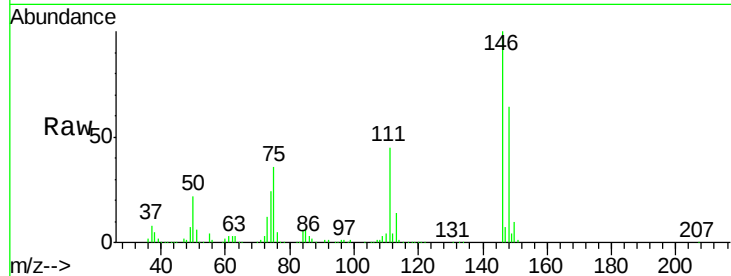
#91
 1,2-Dichlorobenzene
 Concen: 52.496 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	21.8	65.3
148	64.0	31.5	94.5

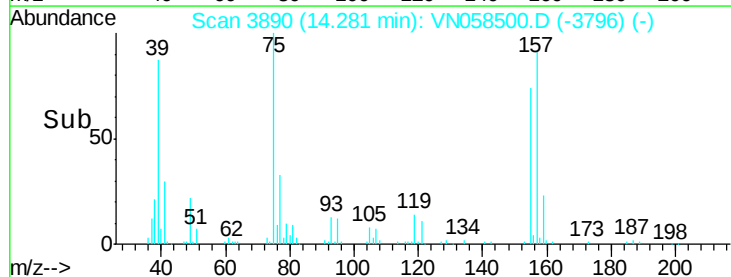
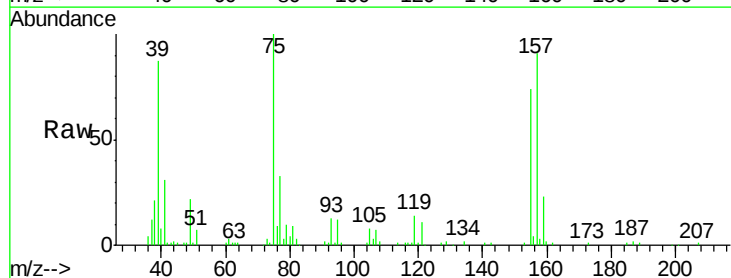
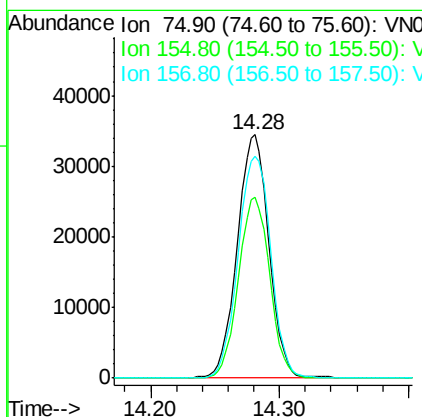
Manual Integrations
 APPROVED

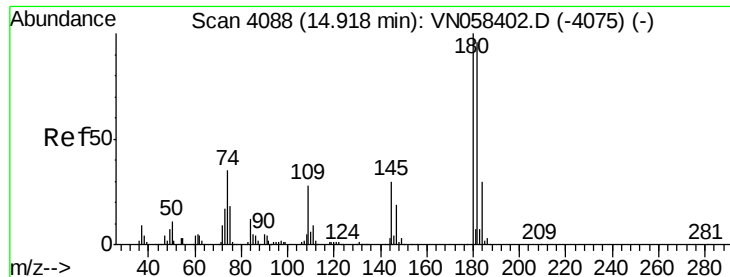
MMDadoda
 10/3/2019 1:30:42 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.973 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.3	39.2	117.6
157	94.0	48.7	146.1





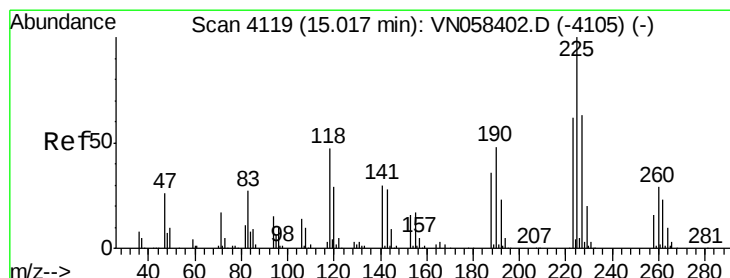
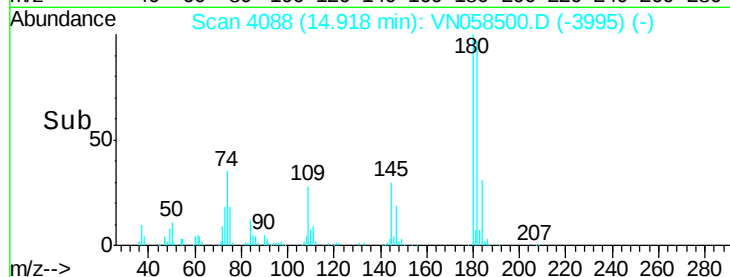
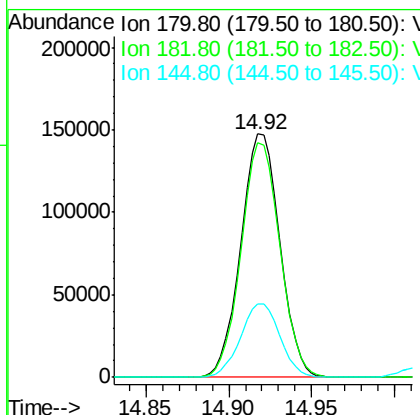
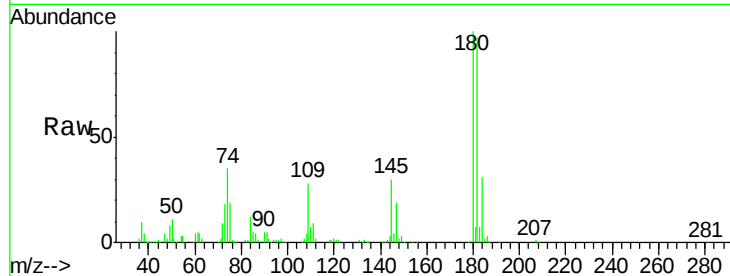
#93
 1,2,4-Trichlorobenzene
 Concen: 55.936 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	241887		
182	95.9	47.4	142.3	
145	30.7	15.3	45.9	

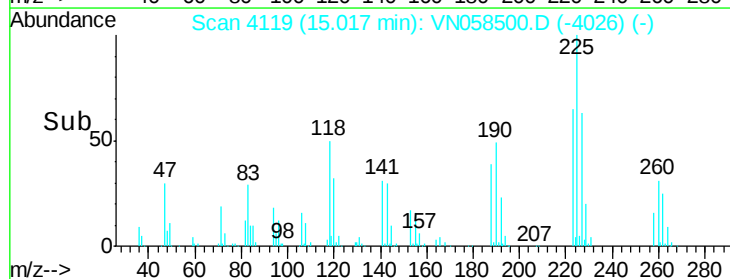
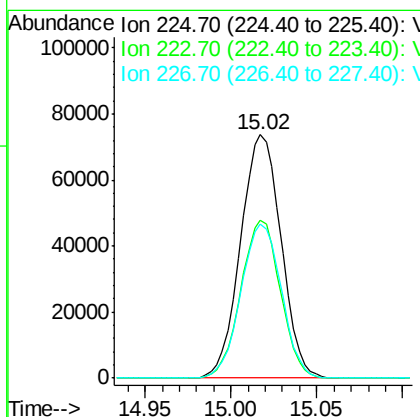
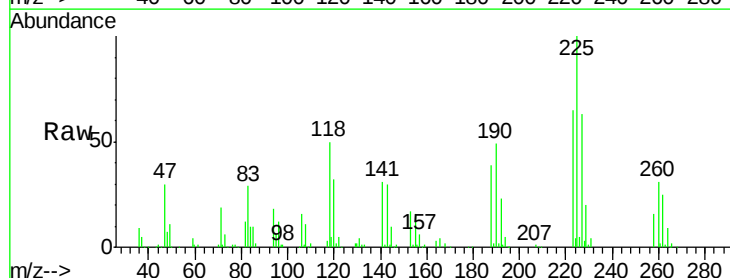
Manual Integrations
 APPROVED

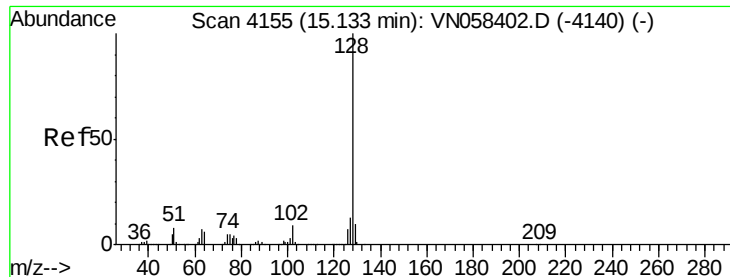
MMDadoda
 10/3/2019 1:30:42 PM



#94
 Hexachlorobutadiene
 Concen: 54.283 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058500.D
 Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120653		
223	63.3	31.1	93.5	
227	63.3	31.4	94.2	





#95

Naphthalene

Concen: 53.117 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Instrument :

MSVOA_N

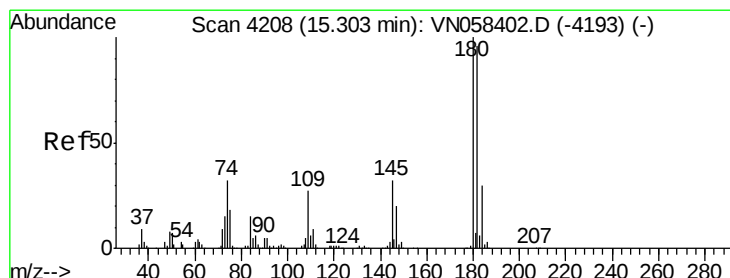
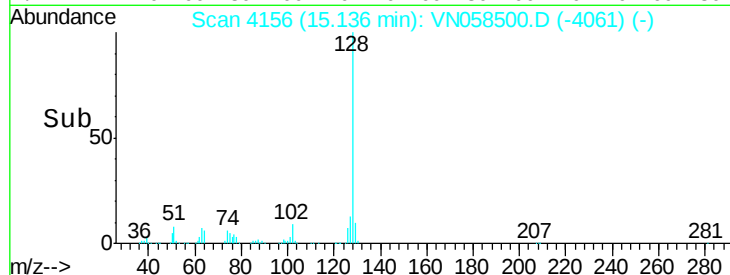
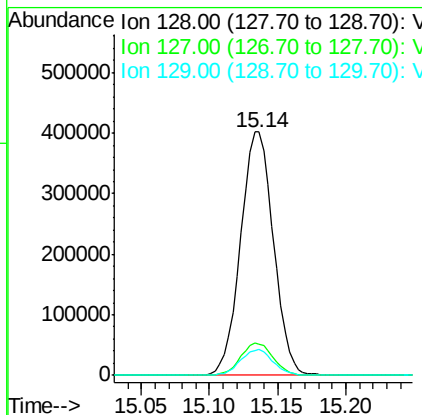
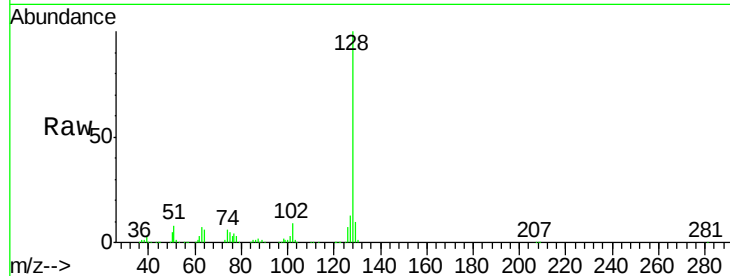
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	10.6	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
10/3/2019 1:30:42 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.695 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058500.D

Acq: 3 Oct 2019 1:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.3	144.9
145	31.6	16.1	48.3

