

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082619\
 Data File : VN057500.D
 Acq On : 26 Aug 2019 10:24
 Operator : JC/SP
 Sample : VN0826WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/27/2019 5:30:22 PM

Quant Time: Aug 26 12:03:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	322811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	514196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	172486	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	300488	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	7.57	113	203676	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
50) Toluene-d8	10.08	98	779253	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	248035	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.84	85	76289	20.027	ug/l	97
3) Chloromethane	2.05	50	103014	18.934	ug/l	98
4) Vinyl Chloride	2.17	62	130174	19.657	ug/l	100
5) Bromomethane	2.55	94	82065	20.109	ug/l	97
6) Chloroethane	2.69	64	87795	20.610	ug/l	92
7) Trichlorofluoromethane	3.00	101	210461	20.474	ug/l	97
8) Diethyl Ether	3.39	74	79177	22.086	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	116185	22.095	ug/l	100
10) Methyl Iodide	3.92	142	93211	22.207	ug/l #	93
11) Tert butyl alcohol	4.79	59	71286	101.035	ug/l #	92
12) 1,1-Dichloroethene	3.71	96	112308	20.439	ug/l	95
13) Acrolein	3.58	56	69377	111.825	ug/l	98
14) Allyl chloride	4.29	41	145985	20.082	ug/l	96
15) Acrylonitrile	4.96	53	196502	103.273	ug/l	99
16) Acetone	3.80	43	368313	141.232	ug/l	99
17) Carbon Disulfide	4.02	76	182650	17.426	ug/l	98
18) Methyl Acetate	4.30	43	123048	21.317	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	256119	19.310	ug/l	100
20) Methylene Chloride	4.52	84	79096	20.412	ug/l	97
21) trans-1,2-Dichloroethene	5.00	96	74190	19.134	ug/l	98
22) Diisopropyl ether	5.93	45	315064	20.210	ug/l	99
23) Vinyl Acetate	5.87	43	1216392	99.896	ug/l	98
24) 1,1-Dichloroethane	5.82	63	165994	20.091	ug/l	99
25) 2-Butanone	6.82	43	290428	102.560	ug/l	97
26) 2,2-Dichloropropane	6.80	77	139779	19.537	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	90209	19.627	ug/l	100
28) Bromochloromethane	7.18	49	94001	21.127	ug/l	96
29) Tetrahydrofuran	7.20	42	189946	101.724	ug/l	99
30) Chloroform	7.36	83	156900	20.511	ug/l	98
31) Cyclohexane	7.63	56	163744	20.527	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	135280	19.088	ug/l	98
36) 1,1-Dichloropropene	7.77	75	116130	19.343	ug/l	100
37) Ethyl Acetate	6.91	43	122924	20.720	ug/l	99
38) Carbon Tetrachloride	7.75	117	107245	17.981	ug/l	94

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	139655	19.586	ug/l	98
40) Benzene	8.02	78	347528	19.286	ug/l	98
41) Methacrylonitrile	7.16	41	64401	22.765	ug/l #	85
42) 1,2-Dichloroethane	8.11	62	136288	19.643	ug/l	98
43) Isopropyl Acetate	8.16	43	209728	19.280	ug/l	99
44) Trichloroethene	8.82	130	82038	20.395	ug/l	88
45) 1,2-Dichloropropane	9.11	63	101231	19.947	ug/l	95
46) Dibromomethane	9.20	93	59238	19.687	ug/l	97
47) Bromodichloromethane	9.39	83	123528	18.450	ug/l	98
48) Methyl methacrylate	9.19	41	101474	19.617	ug/l	98
49) 1,4-Dioxane	9.19	88	24938	372.818	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	602409	99.367	ug/l	99
52) Toluene	10.15	92	203168	19.562	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	129542	18.472	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	144812	18.546	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	79884	19.020	ug/l	96
56) Ethyl methacrylate	10.43	69	128976	19.521	ug/l	98
57) 1,3-Dichloropropane	10.70	76	140187	19.178	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.69	63	201973	119.335	ug/l	99
59) 2-Hexanone	10.75	43	426437	102.554	ug/l	98
60) Dibromochloromethane	10.90	129	79016	17.802	ug/l	100
61) 1,2-Dibromoethane	11.00	107	75560	18.342	ug/l	94
64) Tetrachloroethene	10.63	164	68505	19.043	ug/l	96
65) Chlorobenzene	11.43	112	196169	18.873	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	73868	18.530	ug/l	99
67) Ethyl Benzene	11.51	91	392493	19.508	ug/l	100
68) m/p-Xylenes	11.62	106	267313	39.069	ug/l	98
69) o-Xylene	11.95	106	136252	20.102	ug/l	97
70) Styrene	11.96	104	211040	19.664	ug/l	99
71) Bromoform	12.12	173	46680	17.323	ug/l #	98
73) Isopropylbenzene	12.25	105	356839	21.024	ug/l	99
74) N-amyl acetate	12.07	43	166451	21.142	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	108129	22.409	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	94350m	22.670	ug/l	
77) Bromobenzene	12.53	156	70749	20.565	ug/l	96
78) n-propylbenzene	12.59	91	393097	20.972	ug/l	98
79) 2-Chlorotoluene	12.67	91	233281	20.806	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	284247	20.585	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	30976	17.981	ug/l	90
82) 4-Chlorotoluene	12.77	91	228001	21.091	ug/l	100
83) tert-Butylbenzene	12.99	119	246937	21.124	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	272741	20.339	ug/l	100
85) sec-Butylbenzene	13.17	105	318953	20.837	ug/l	98
86) p-Isopropyltoluene	13.29	119	267632	19.850	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	106998	19.205	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	106005	19.428	ug/l	98
89) n-Butylbenzene	13.62	91	228351	20.014	ug/l	100
90) Hexachloroethane	13.88	117	53338	18.937	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	106050	19.939	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	17430	20.855	ug/l	94

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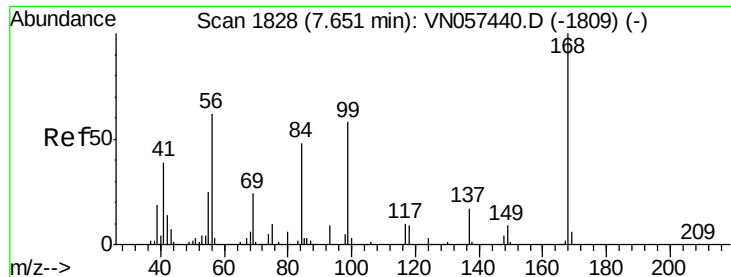
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	29509	17.611	ug/l	98
94) Hexachlorobutadiene	15.01	225	32668	22.324	ug/l	99
95) Naphthalene	15.13	128	98931	17.506	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	32275	18.590	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion:168 Resp: 322811

Ion Ratio Lower Upper

168 100

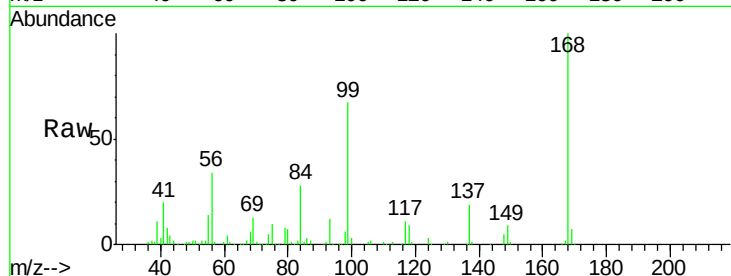
99 66.8 50.6 76.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

150000

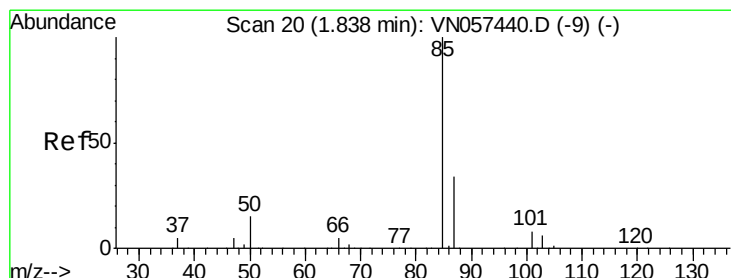
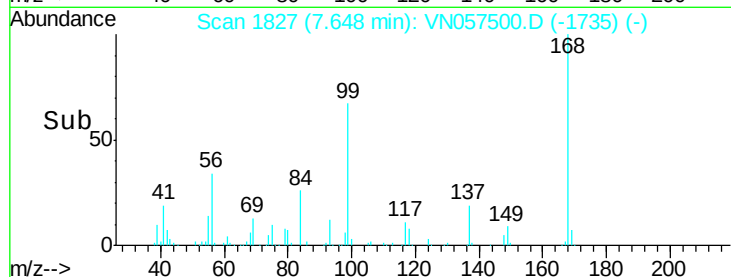
100000

50000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.027 ug/l

RT: 1.84 min Scan# 20

Delta R.T. -0.00 min

Lab File: VN057500.D

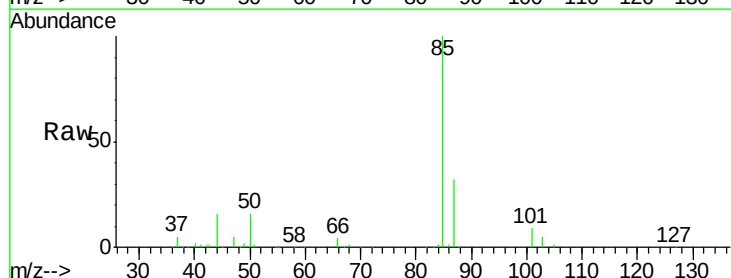
Acq: 26 Aug 2019 10:24

Tgt Ion: 85 Resp: 76289

Ion Ratio Lower Upper

85 100

87 32.4 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.84

60000

50000

40000

30000

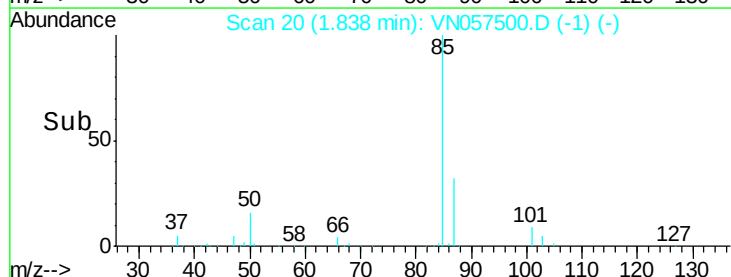
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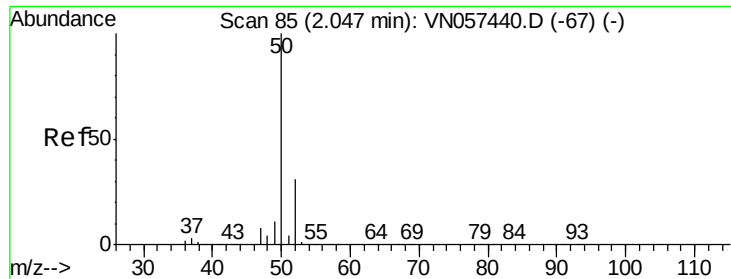
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.934 ug/l

RT: 2.05 min Scan# 85

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion: 50 Resp: 103014

Ion Ratio Lower Upper

50 100

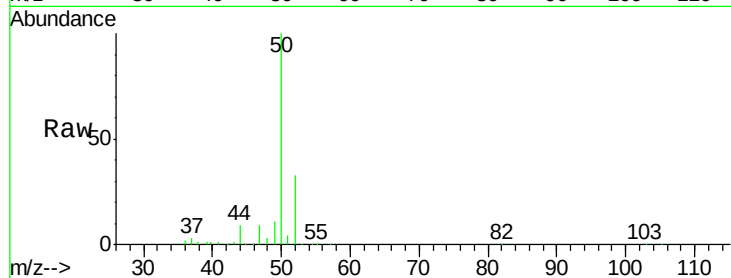
52 32.8 25.1 37.7

Manual Integrations

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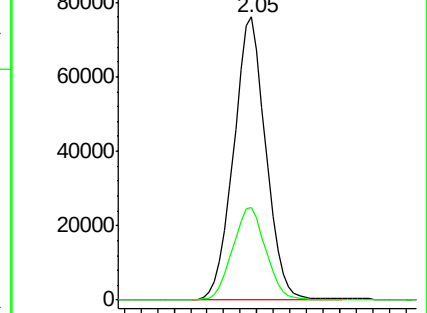
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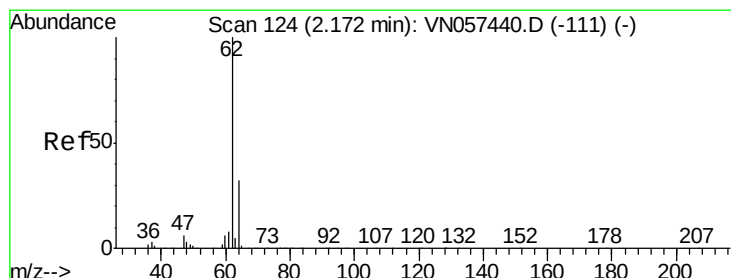
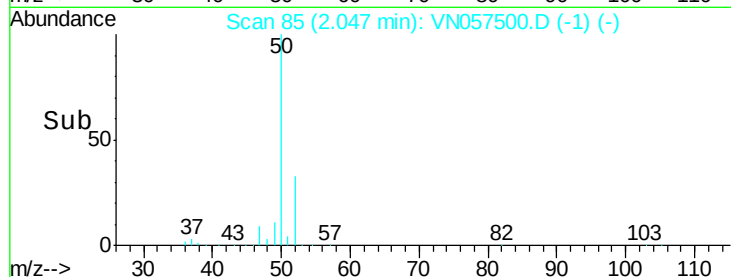


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 19.657 ug/l

RT: 2.17 min Scan# 124

Delta R.T. -0.00 min

Lab File: VN057500.D

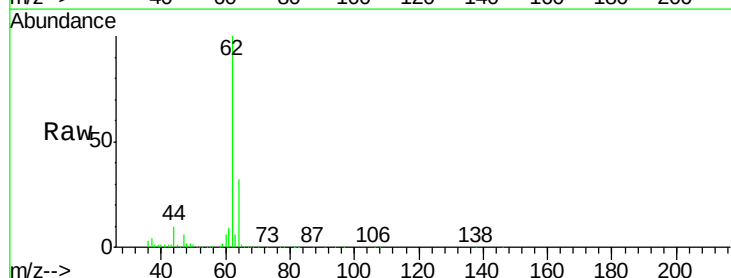
Acq: 26 Aug 2019 10:24

Tgt Ion: 62 Resp: 130174

Ion Ratio Lower Upper

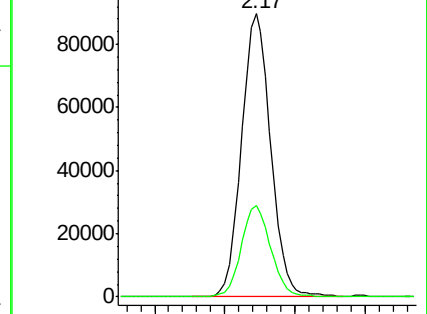
62 100

64 32.1 25.8 38.8

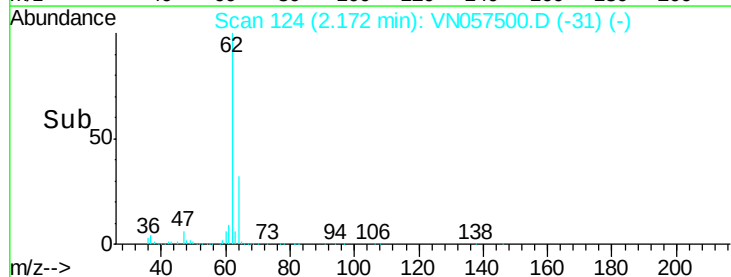


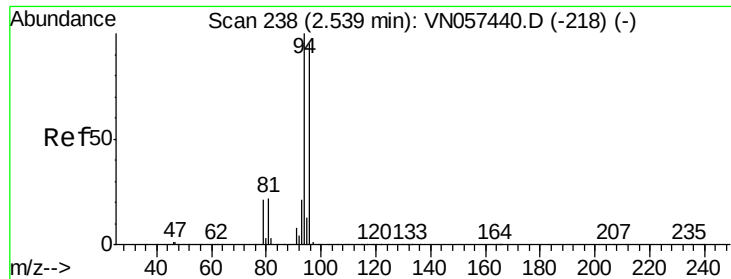
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 20.109 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion: 94 Resp: 82065

Ion Ratio Lower Upper

94 100

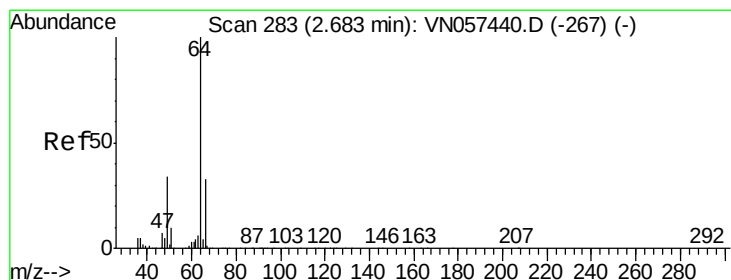
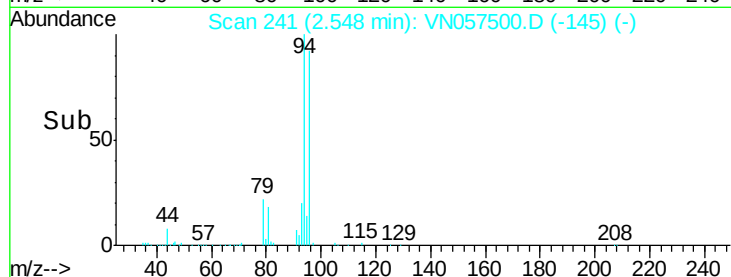
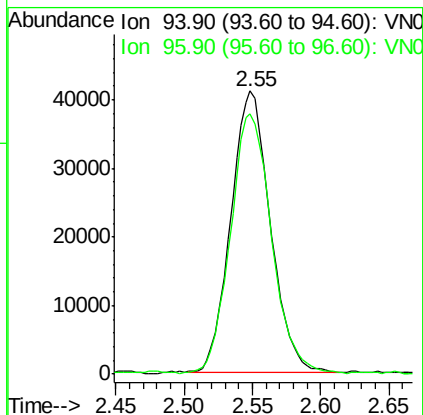
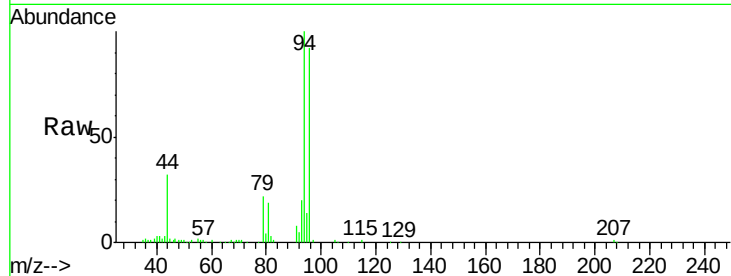
96 92.2 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 20.610 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN057500.D

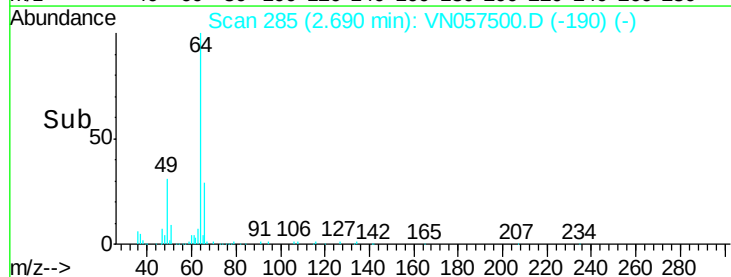
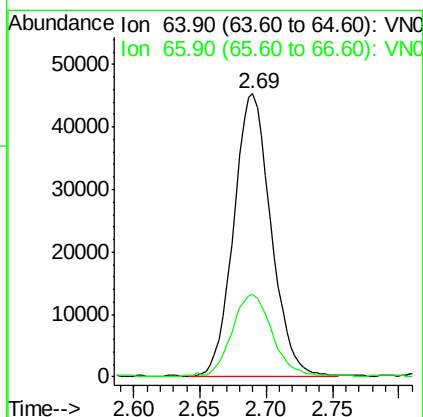
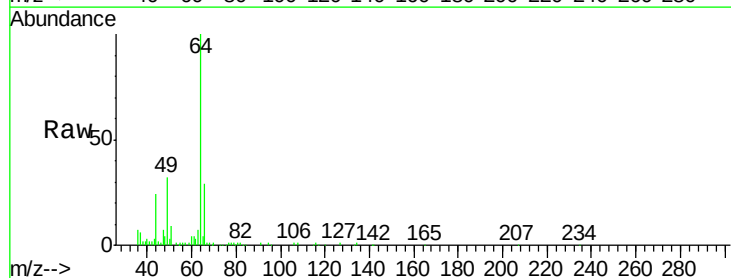
Acq: 26 Aug 2019 10:24

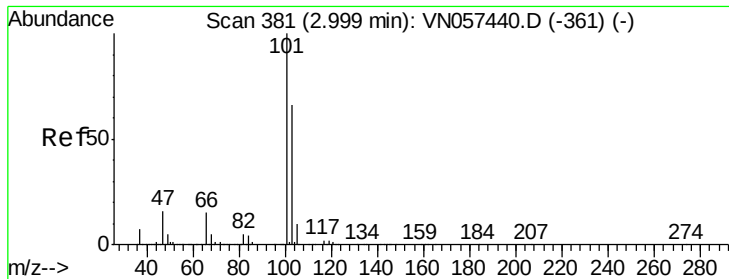
Tgt Ion: 64 Resp: 87795

Ion Ratio Lower Upper

64 100

66 28.7 26.8 40.2





#7

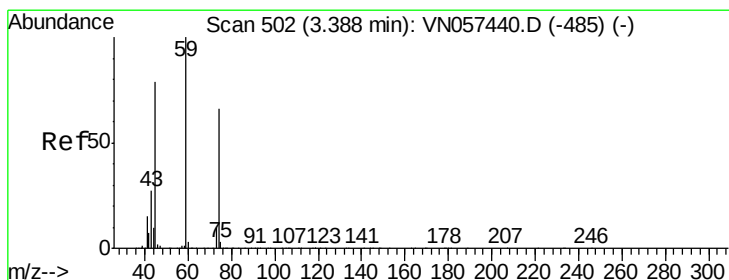
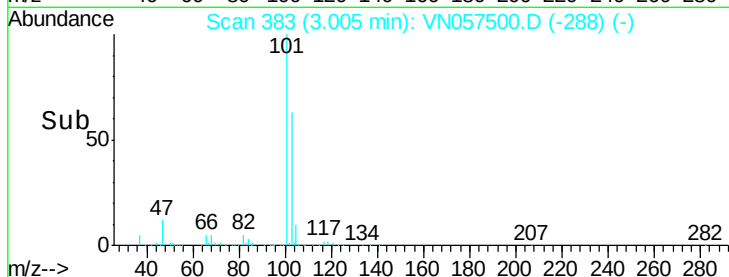
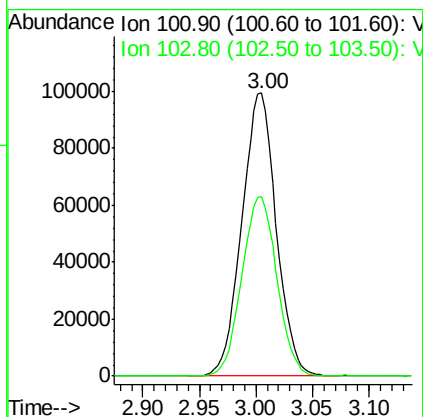
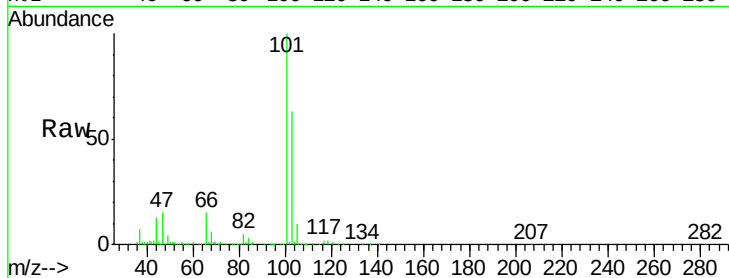
Trichlorofluoromethane
Concen: 20.474 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.01 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.6	78.8

Manual Integrations
APPROVED

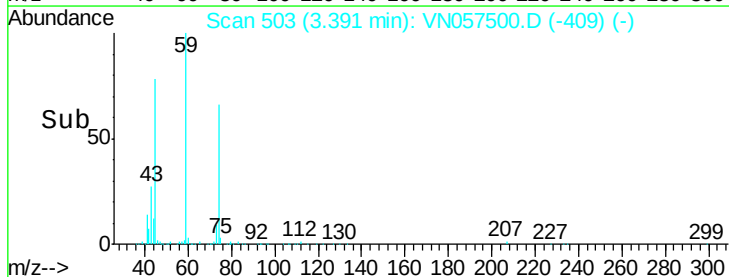
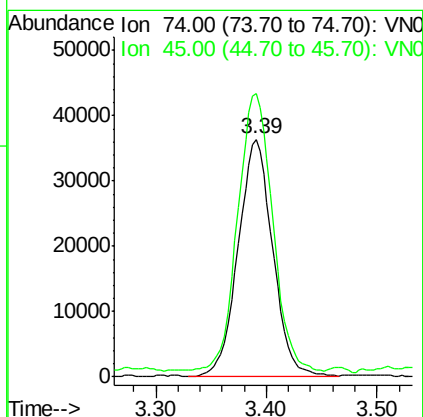
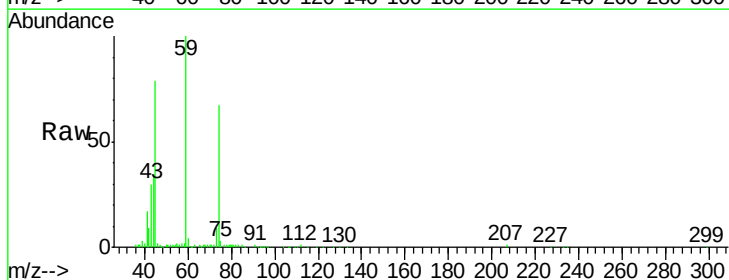
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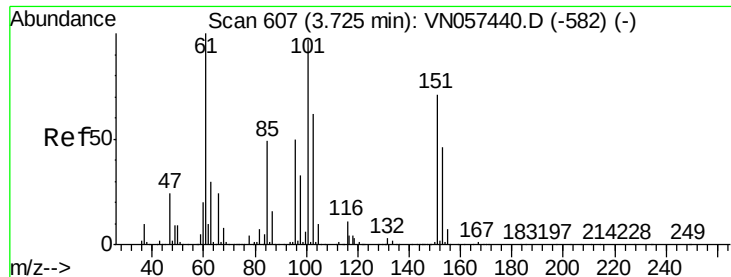


#8

Diethyl Ether
Concen: 22.086 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.3	57.9	173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.095 ug/l

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

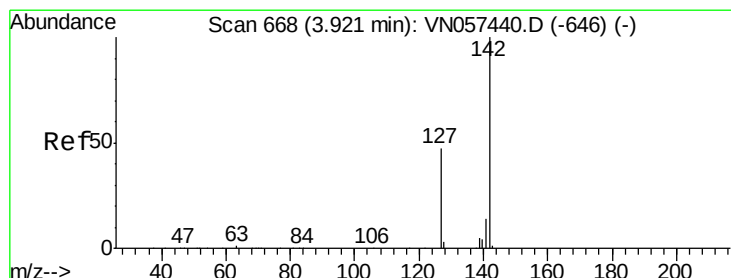
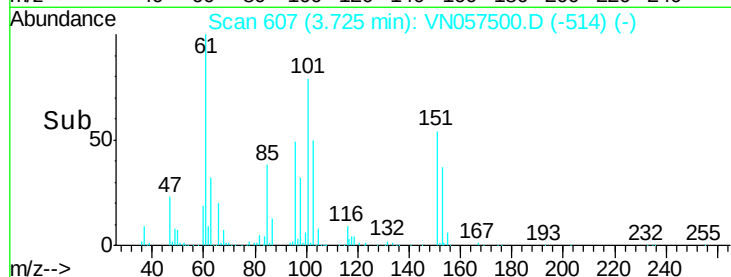
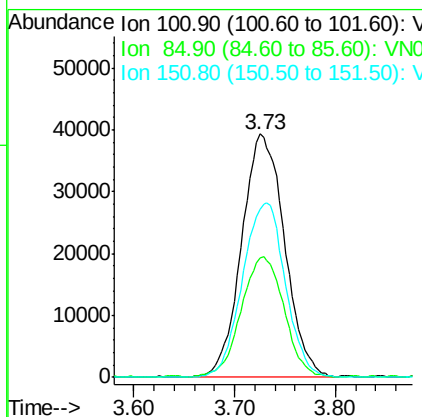
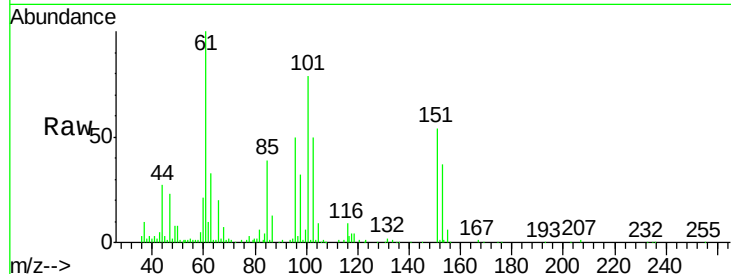
ClientSampled :

VN0826WBS01

Tot Ion:	101	Resp:	116185
Ion Ratio	Lower	Upper	
101	100		
85	49.6	40.0	60.0
151	71.6	57.0	85.6

Manual Integrations
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#10

Methyl Iodide

Concen: 22.207 ug/l

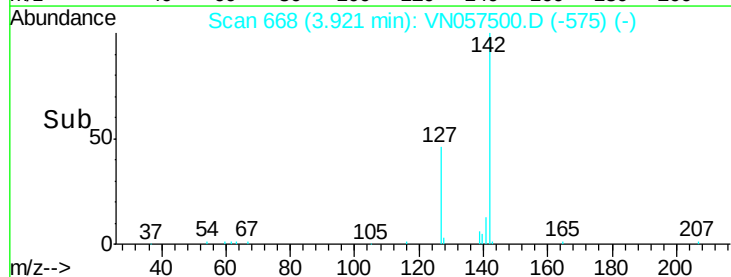
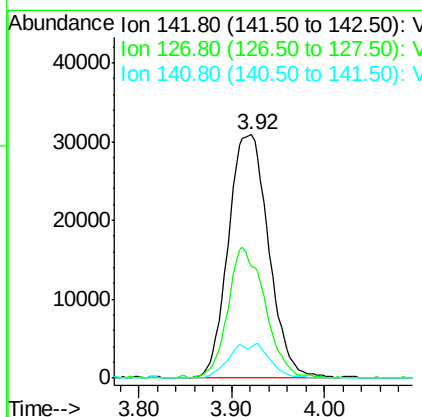
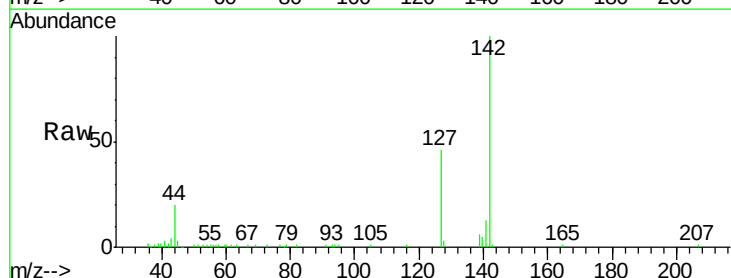
RT: 3.92 min Scan# 668

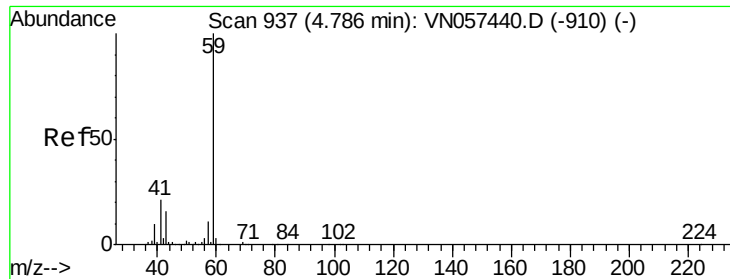
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	142	Resp:	93211
Ion Ratio	Lower	Upper	
142	100		
127	49.3	37.8	56.8
141	7.3	11.9	17.9#





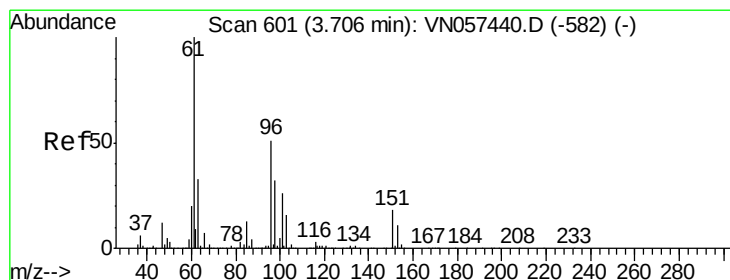
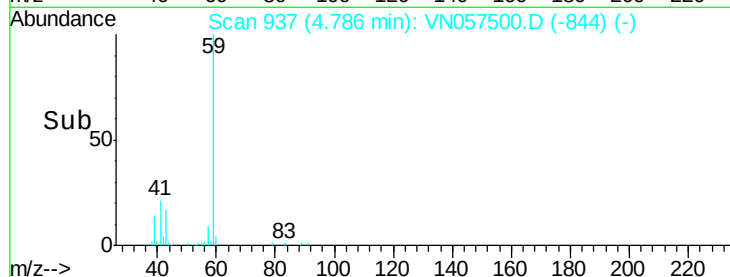
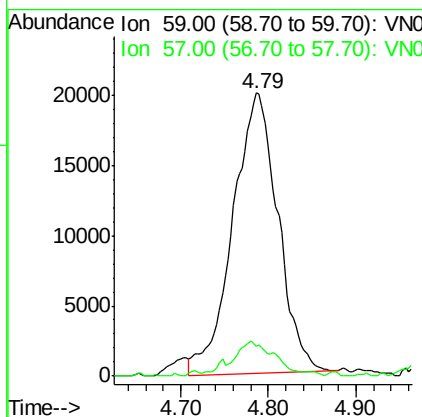
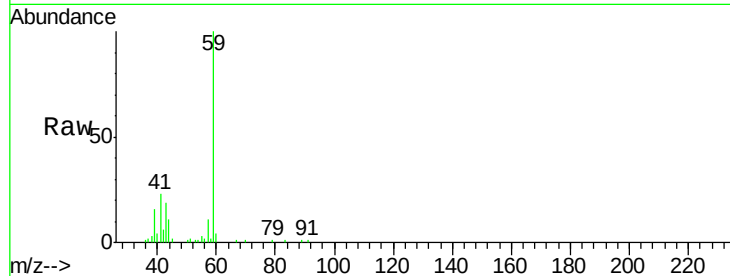
#11
Tert butyl alcohol
Concen: 101.035 ug/l
RT: 4.79 min Scan# 937
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	9.1	13.7#

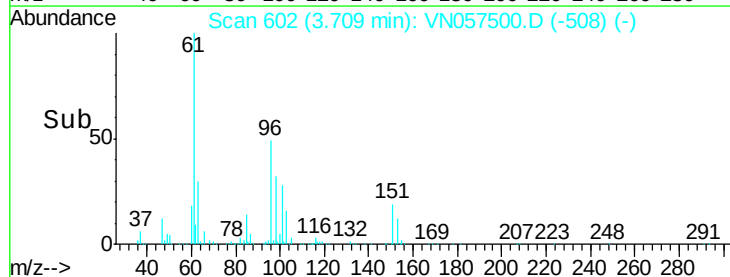
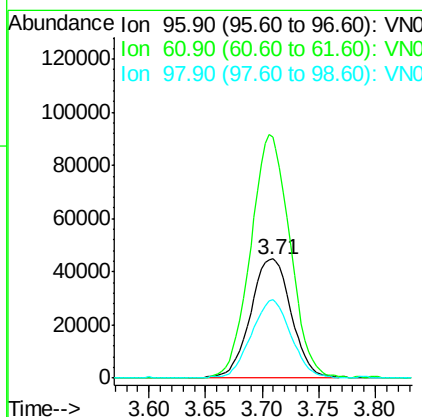
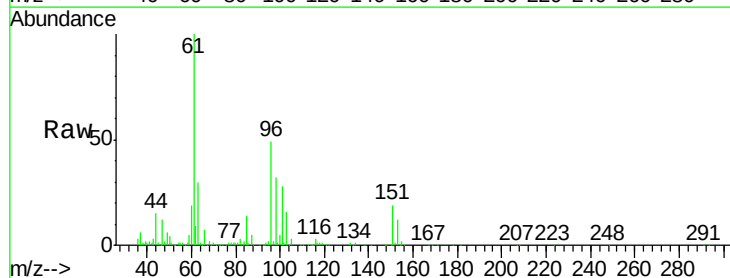
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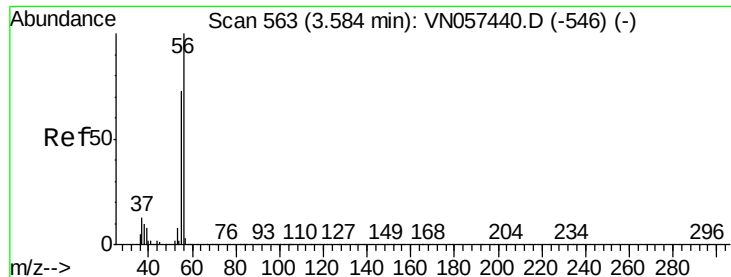
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.439 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.9	155.3	232.9
98	65.1	50.2	75.2





#13

Acrolein

Concen: 111.825 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion: 56 Resp: 69377

Ion Ratio Lower Upper

56 100

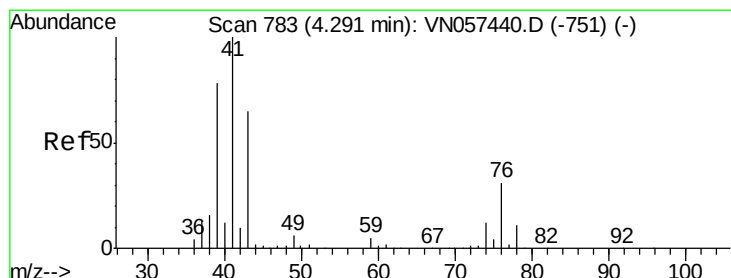
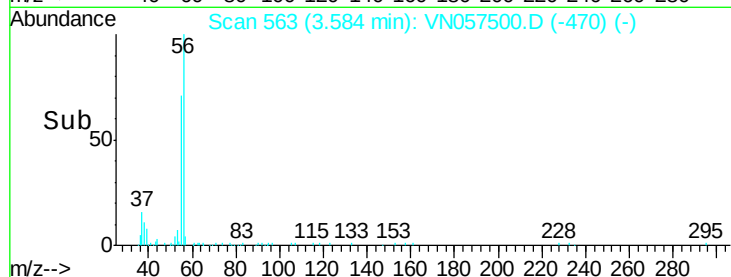
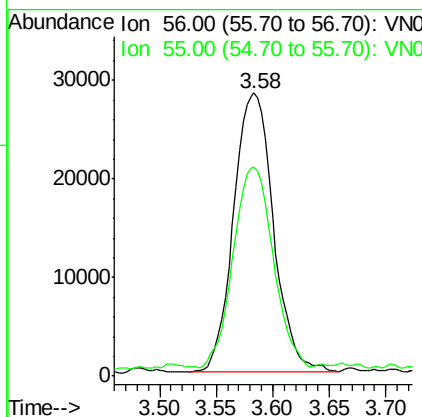
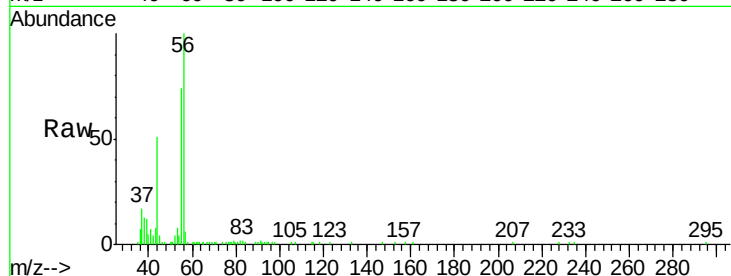
55 72.0 59.0 88.4

Manual Integrations

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#14

Allyl chloride

Concen: 20.082 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

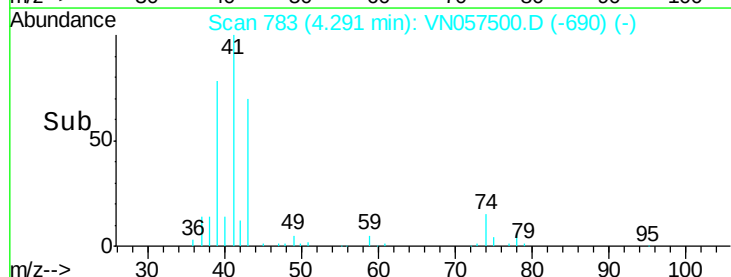
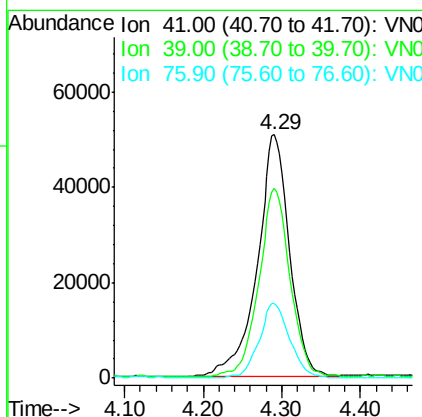
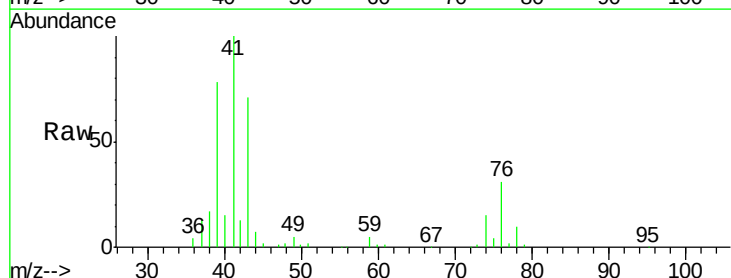
Tgt Ion: 41 Resp: 145985

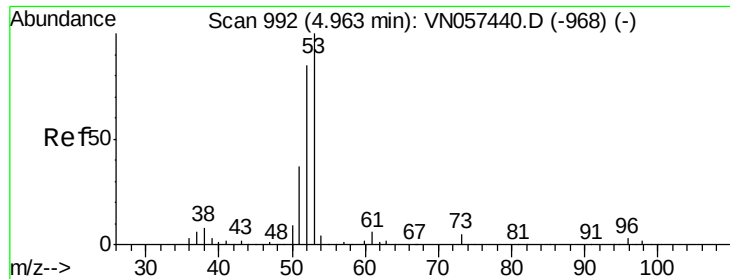
Ion Ratio Lower Upper

41 100

39 76.1 57.4 86.2

76 29.5 22.9 34.3





#15

Acrylonitrile

Concen: 103.273 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

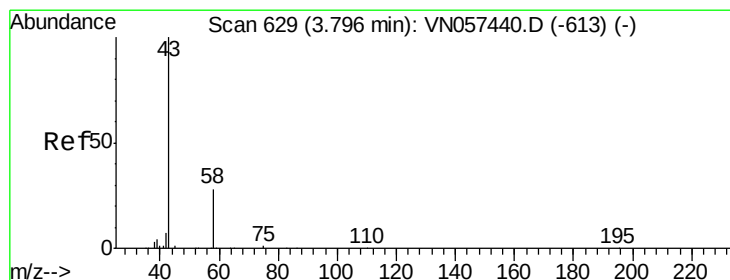
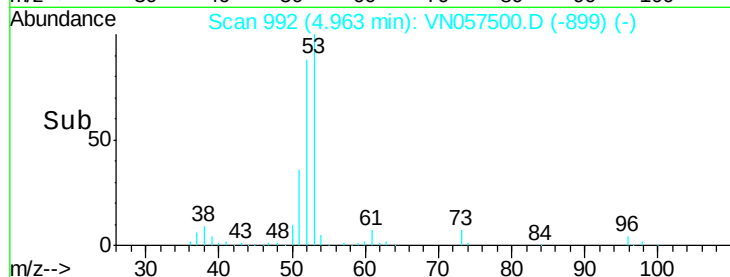
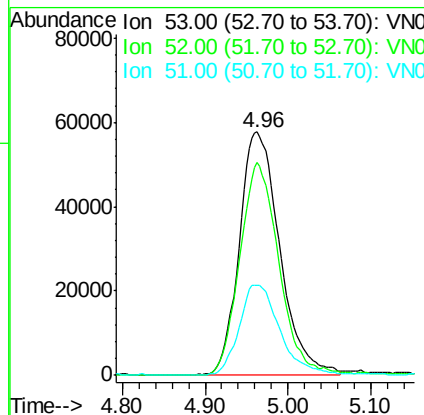
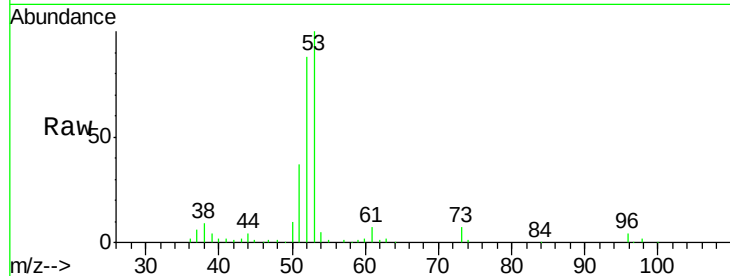
ClientSampleId :

VN0826WBS01

Tot Ion:	53	Resp:	196502
Ion	Ratio	Lower	Upper
53	100		
52	84.6	67.0	100.6
51	37.4	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 141.232 ug/l

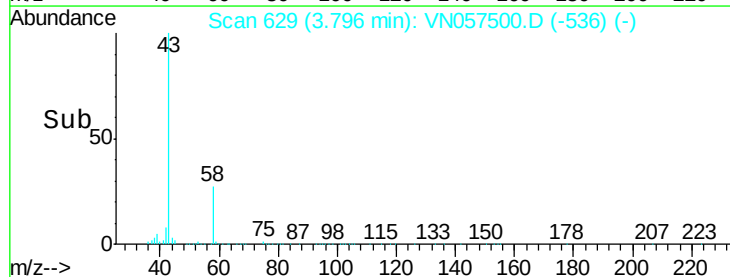
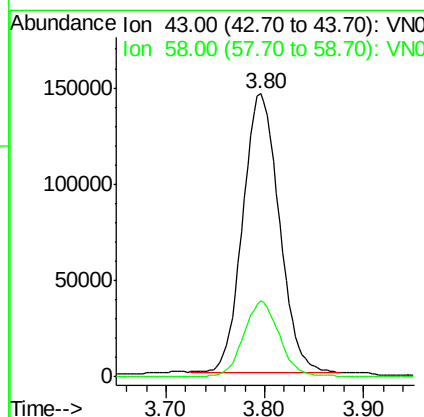
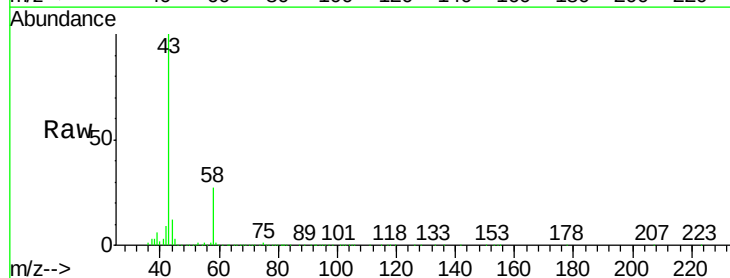
RT: 3.80 min Scan# 629

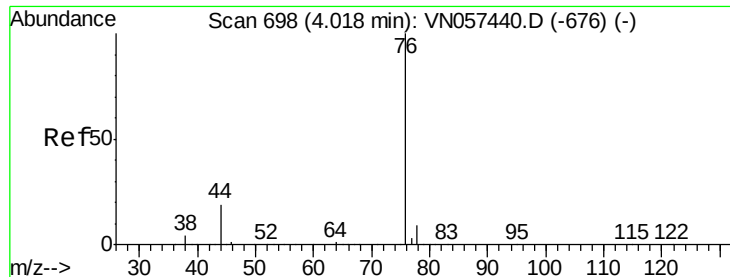
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	43	Resp:	368313
Ion	Ratio	Lower	Upper
43	100		
58	27.0	22.1	33.1





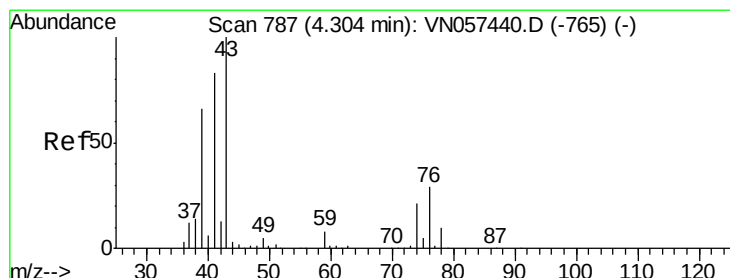
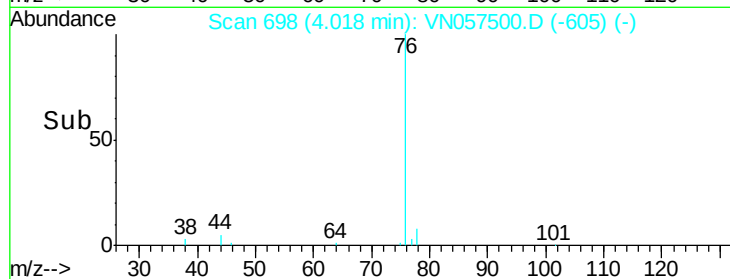
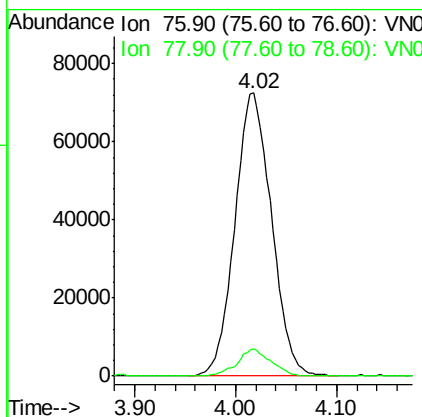
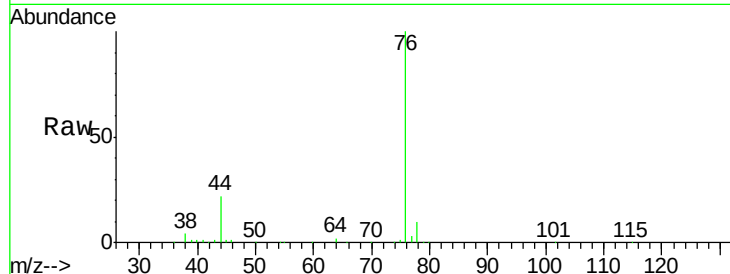
#17
Carbon Disulfide
Concen: 17.426 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	182650		
78	9.6		7.1	10.7

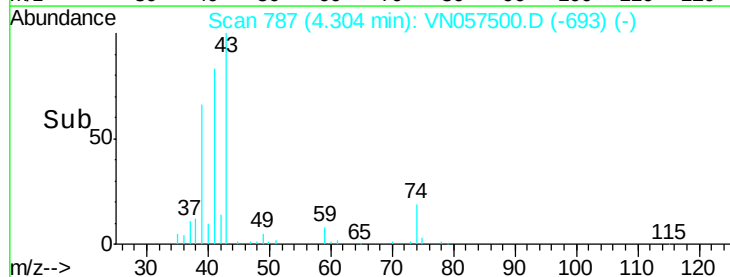
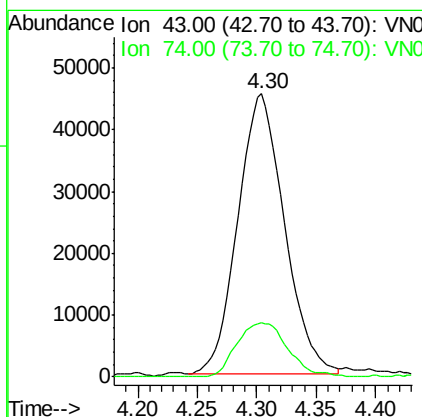
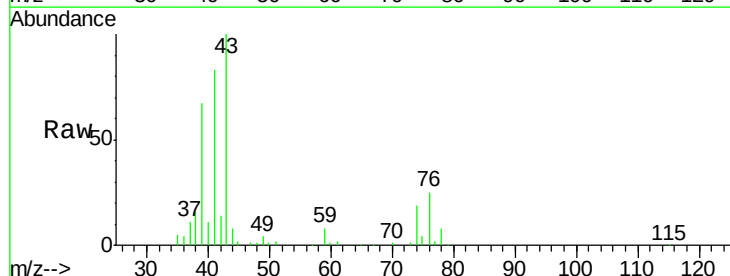
Manual Integrations
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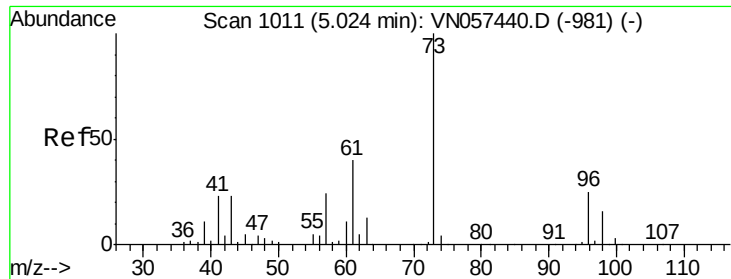
MMDadoda
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#18
Methyl Acetate
Concen: 21.317 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	123048		
74	21.1		15.9	23.9





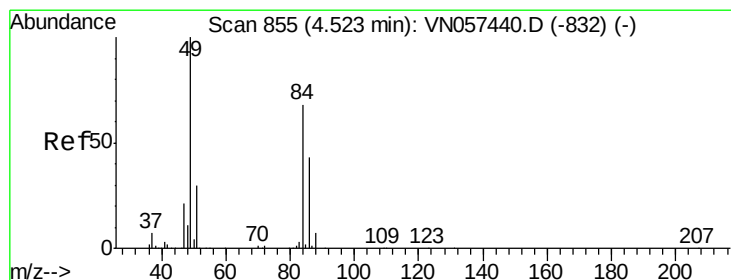
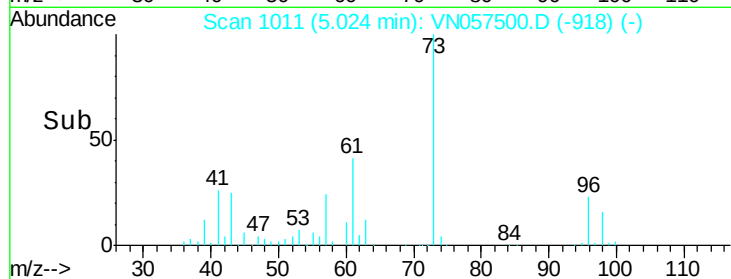
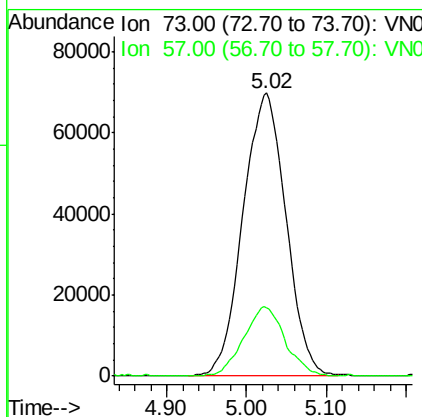
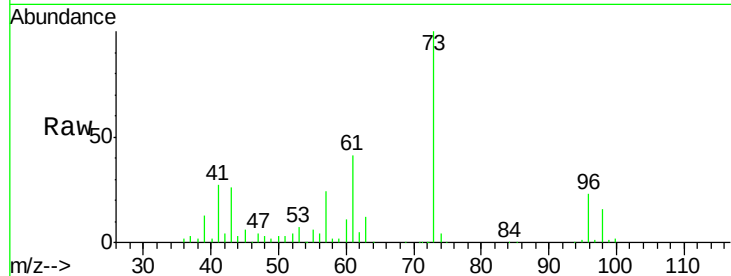
#19
Methvl tert-butvl Ether
Concen: 19.310 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	19.1	28.7

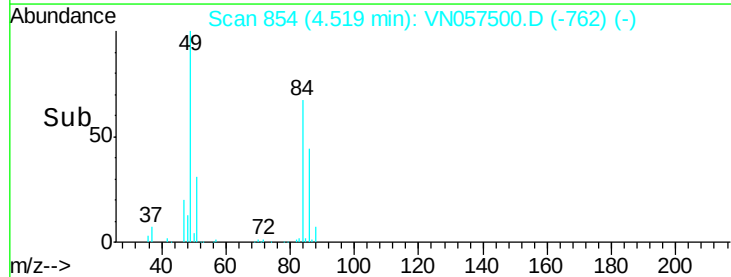
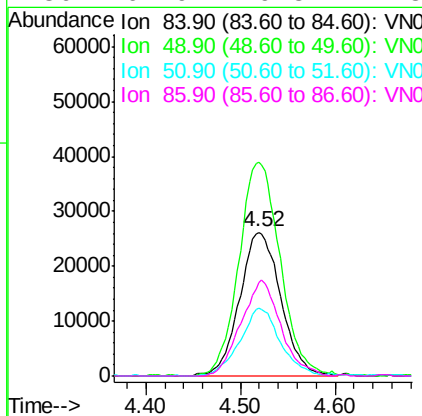
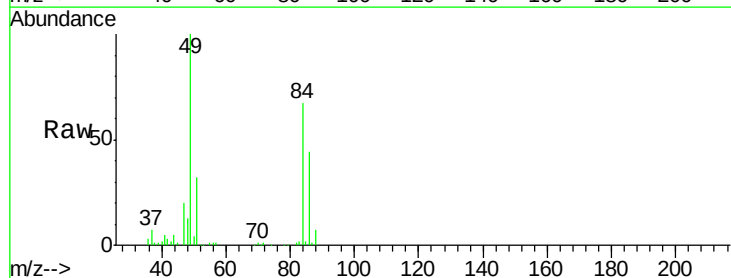
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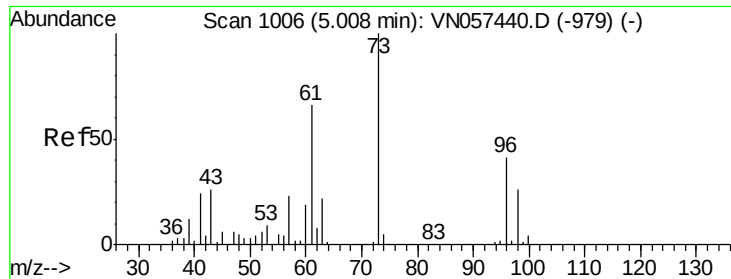
MMDadoda
8/27/2019 5:30:22 PM



#20
Methylene Chloride
Concen: 20.412 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	148.5	117.0	175.4
51	46.9	35.5	53.3
86	64.9	49.8	74.8





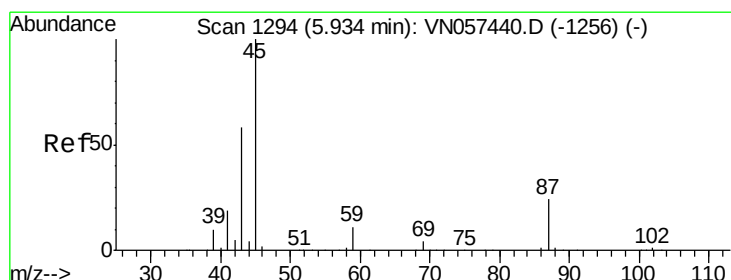
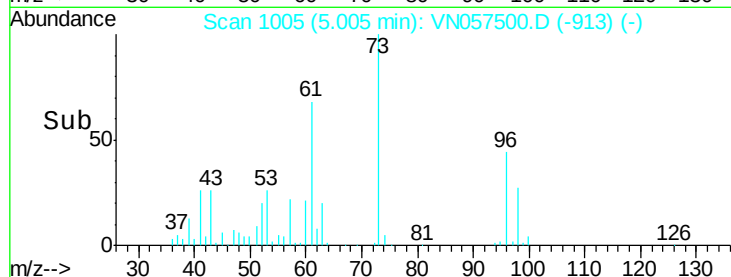
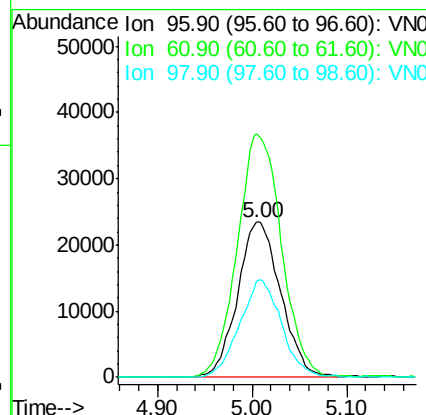
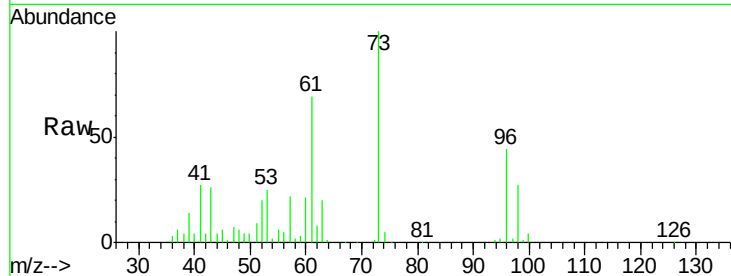
#21
trans-1,2-Dichloroethene
Concen: 19.134 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	156.8	127.9	191.9
98	61.9	50.6	76.0

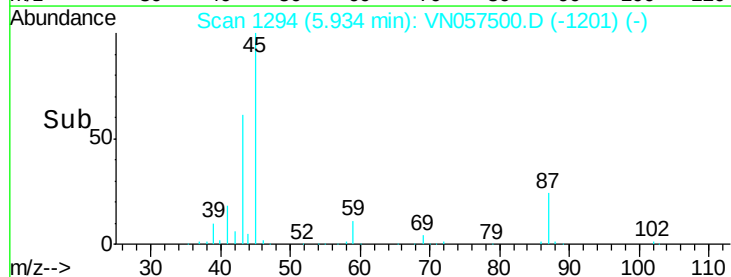
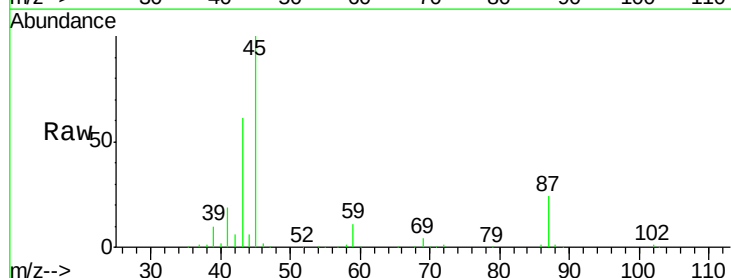
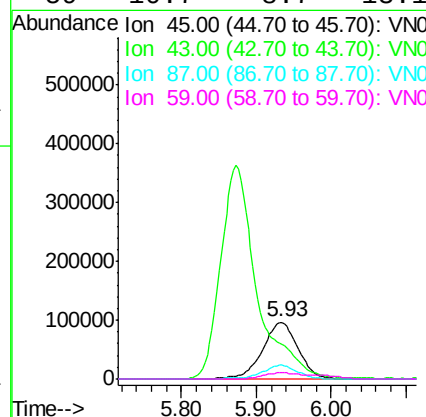
Manual Integrations
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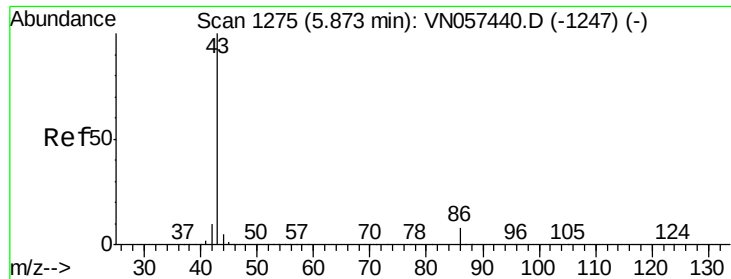
MMDadoda
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#22
Diisopropyl ether
Concen: 20.210 ug/l
RT: 5.93 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	46.9	70.3
87	24.1	19.3	28.9
59	10.7	8.7	13.1





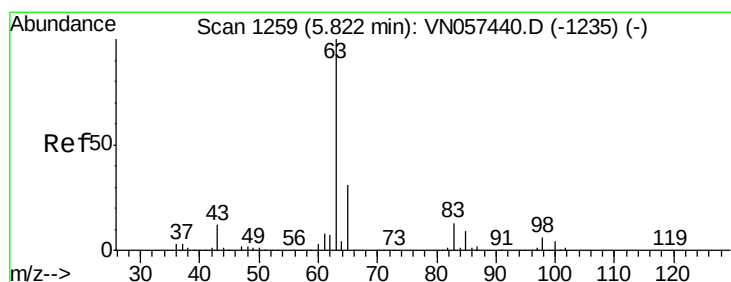
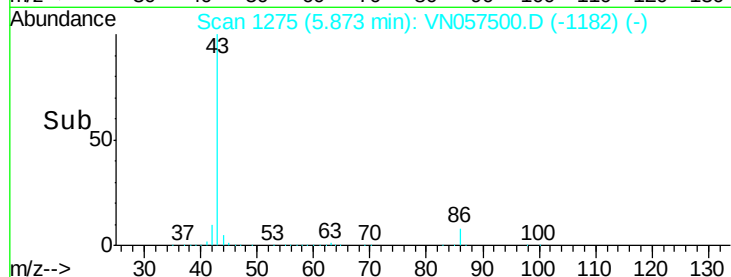
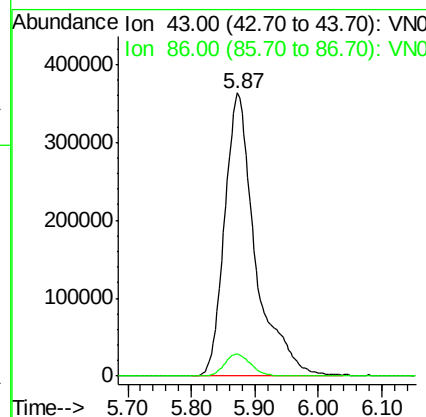
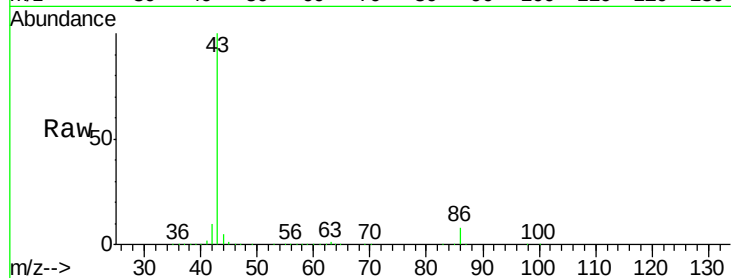
#23
Vinyl Acetate
Concen: 99.896 ug/l
RT: 5.87 min Scan# 1275
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion: 43 Resp: 1216392
Ion Ratio Lower Upper
43 100
86 7.7 6.7 10.1

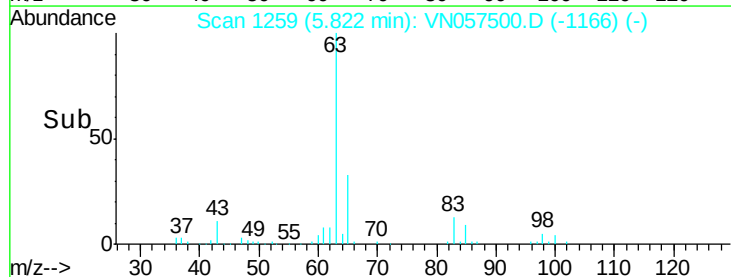
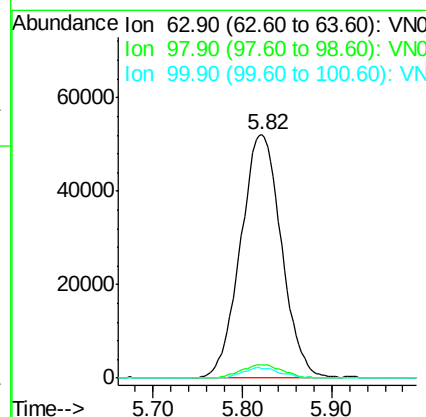
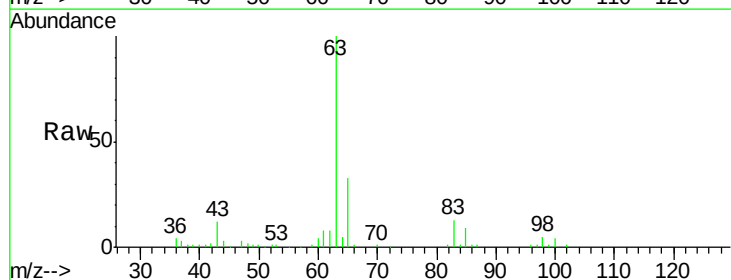
Manual Integrations
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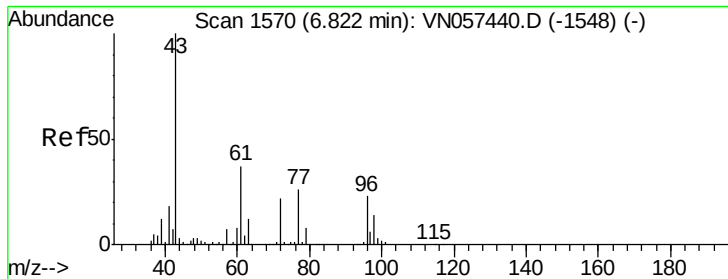
MMDadoda
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#24
1,1-Dichloroethane
Concen: 20.091 ug/l
RT: 5.82 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion: 63 Resp: 165994
Ion Ratio Lower Upper
63 100
98 5.3 2.9 8.6
100 3.7 2.1 6.3





#25

2-Butanone

Concen: 102.560 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS01

Tot Ion: 43 Resp: 290428

Ion Ratio Lower Upper

43 100

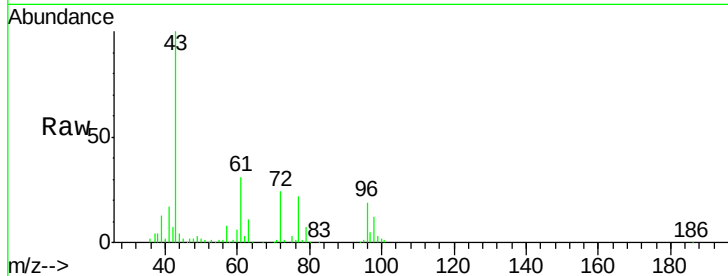
72 23.6 17.8 26.8

Manual Integrations

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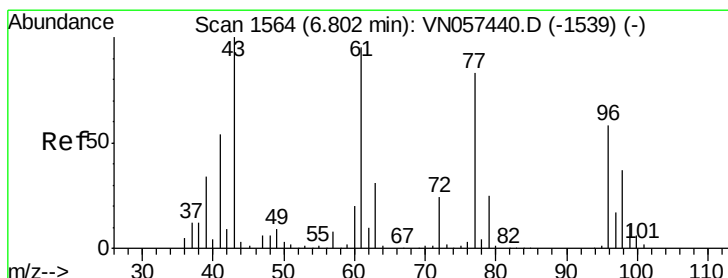
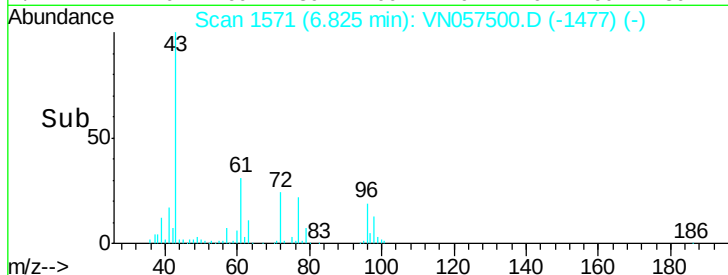
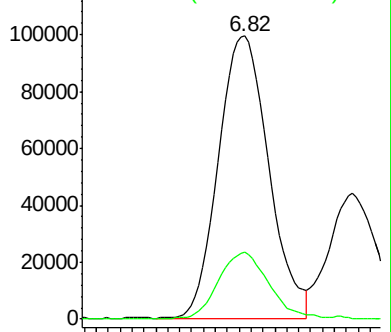
MMDadoda

8/27/2019 5:30:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.537 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN057500.D

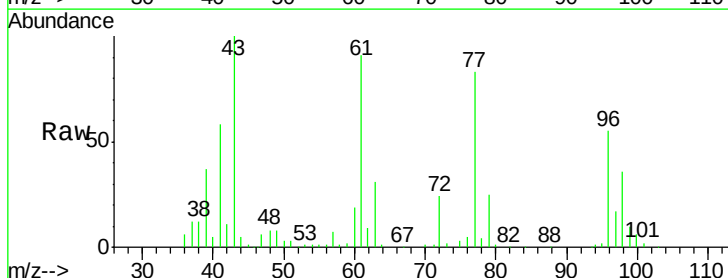
Acq: 26 Aug 2019 10:24

Tgt Ion: 77 Resp: 139779

Ion Ratio Lower Upper

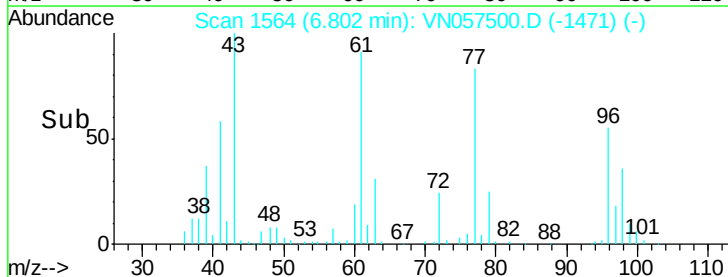
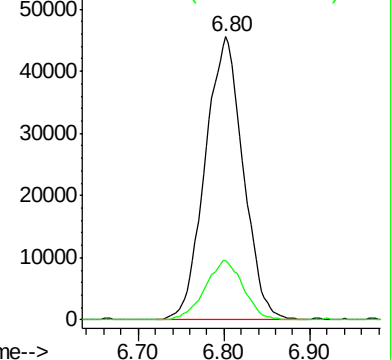
77 100

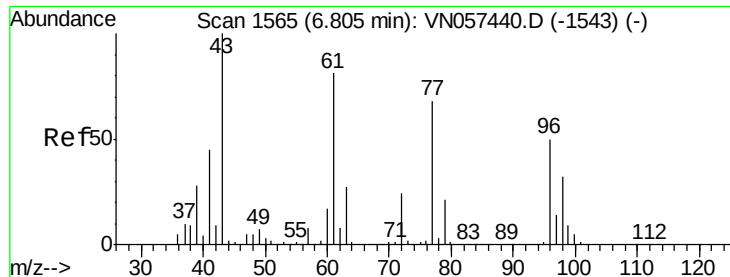
97 21.1 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.627 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

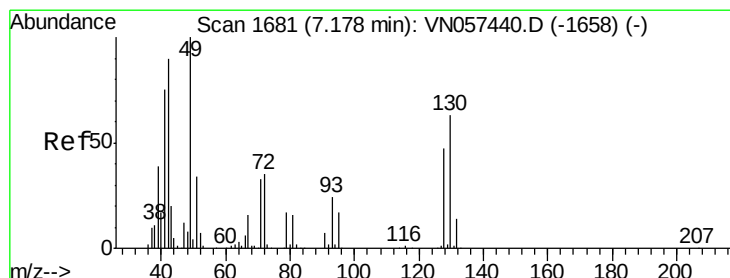
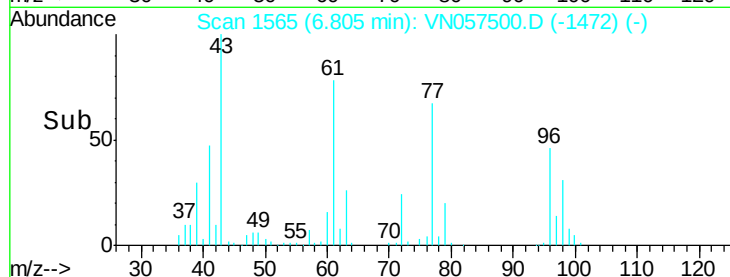
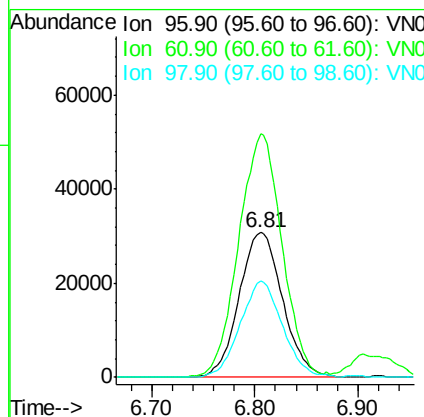
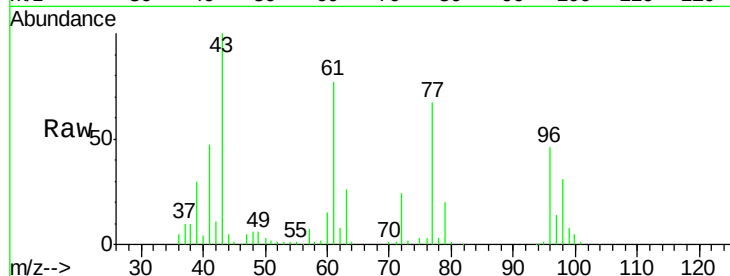
ClientSampled :

VN0826WBS01

Tot Ion:	96	Resp:	90209
Ion	Ratio	Lower	Upper
96	100		
61	167.5	0.0	334.8
98	64.7	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 21.127 ug/l

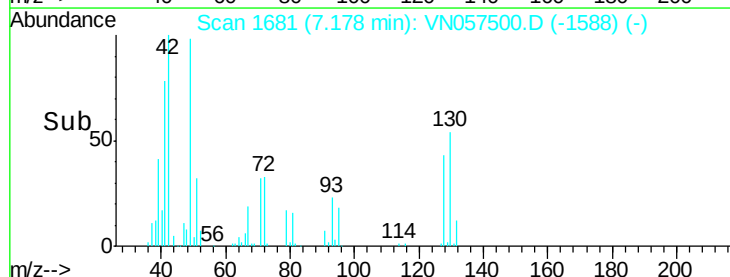
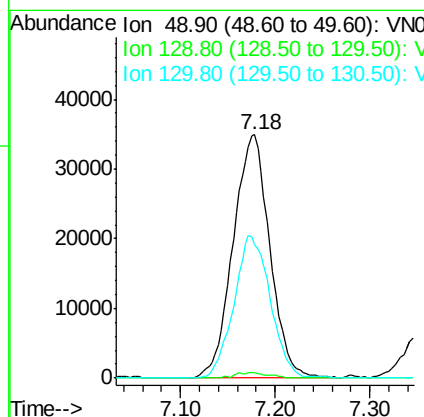
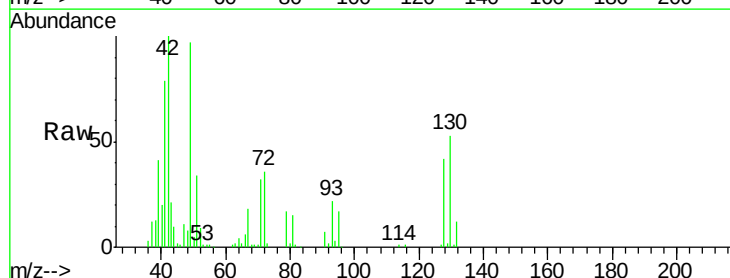
RT: 7.18 min Scan# 1681

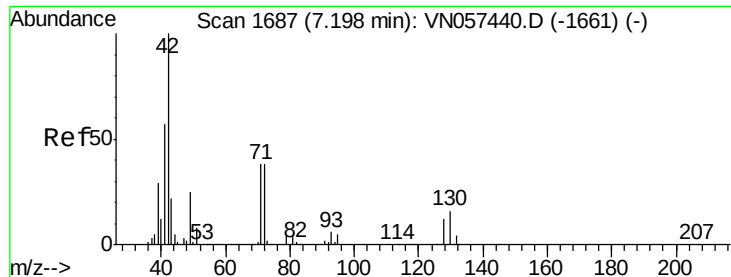
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	49	Resp:	94001
Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.6
130	57.8	48.6	72.8





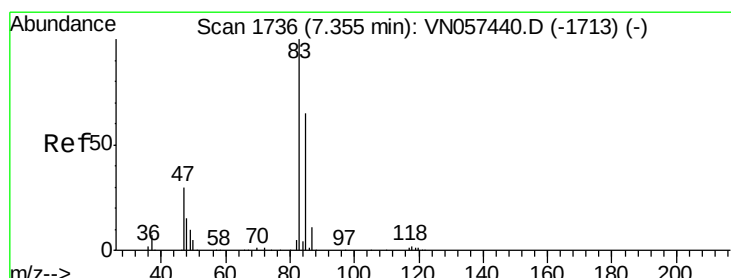
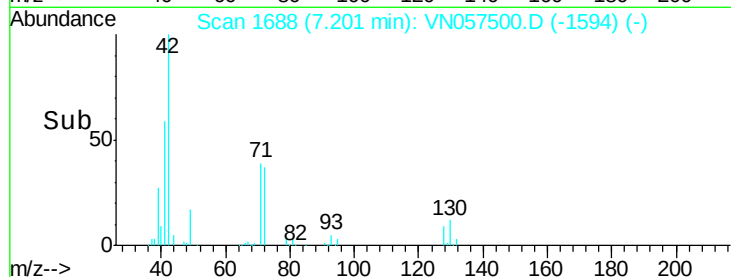
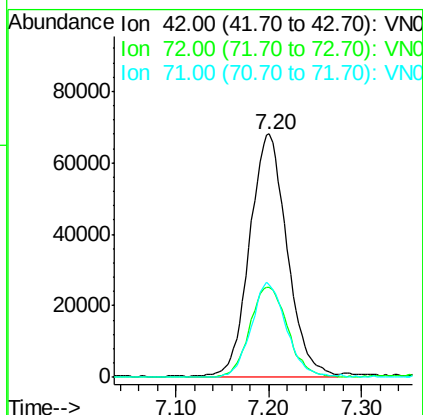
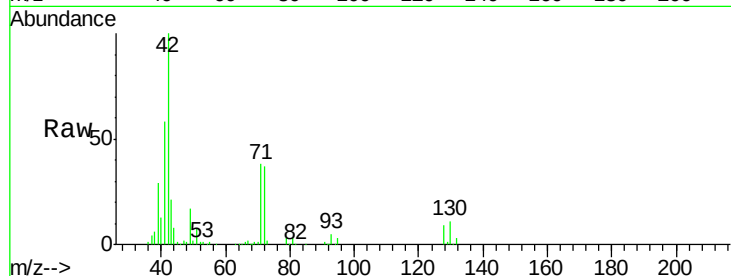
#29
Tetrahydrofuran
Concen: 101.724 ug/l
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.8	30.1	45.1
71	36.9	28.8	43.2

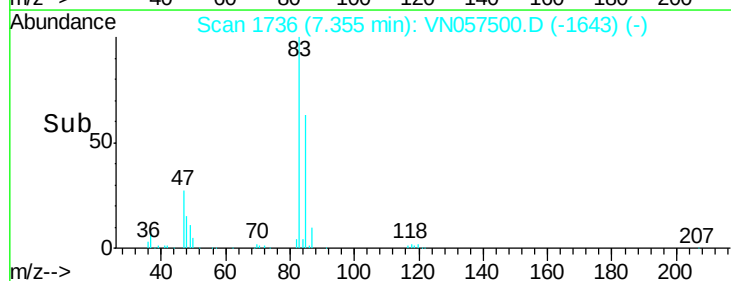
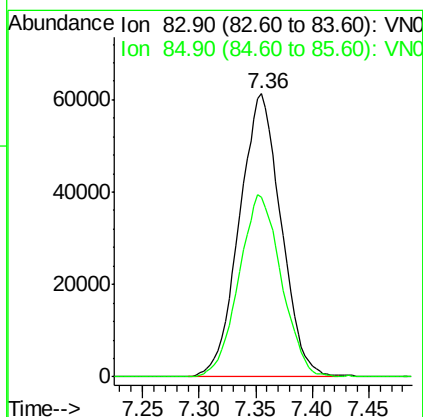
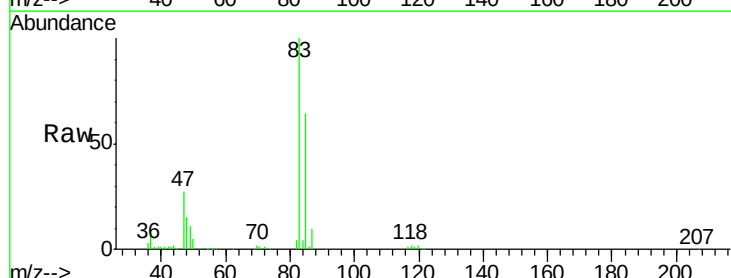
Manual Integrations
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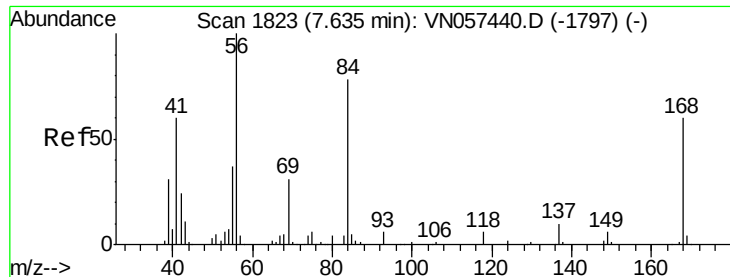
MMDadoda
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#30
Chloroform
Concen: 20.511 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	51.9	77.9





#31

Cyclohexane

Concen: 20.527 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

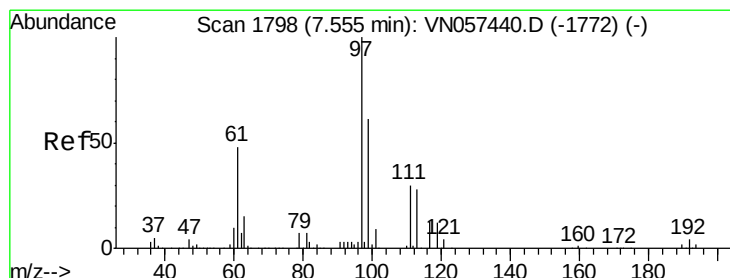
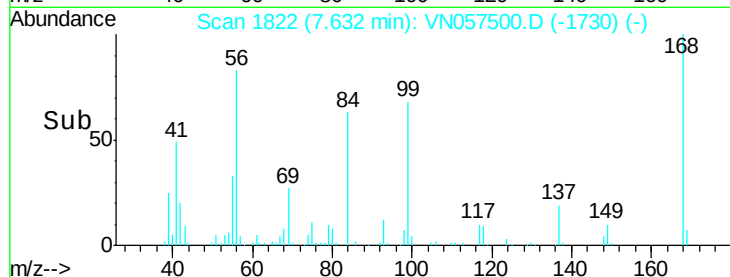
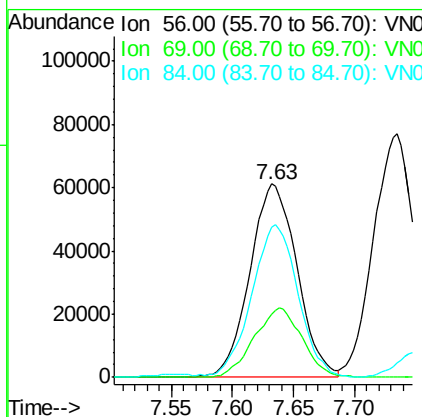
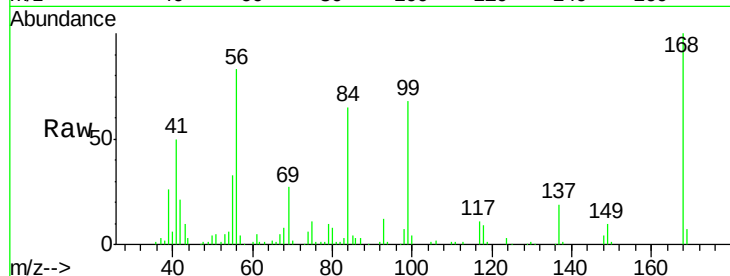
ClientSampleId :

VN0826WBS01

Tot Ion:	56	Resp:	163744
Ion	Ratio	Lower	Upper
56	100		
69	32.3	25.0	37.6
84	76.4	62.5	93.7

Manual Integrations
APPROVED

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8/27/2019 5:30:22 PM



#32

1,1,1-Trichloroethane

Concen: 19.088 ug/l

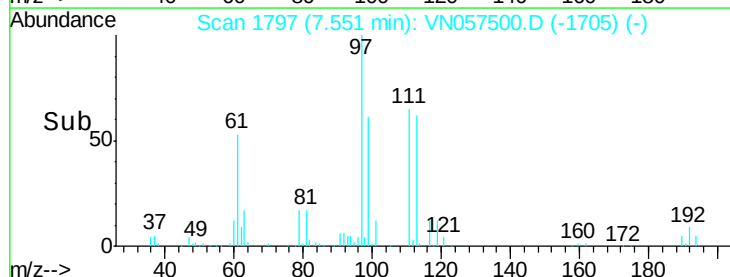
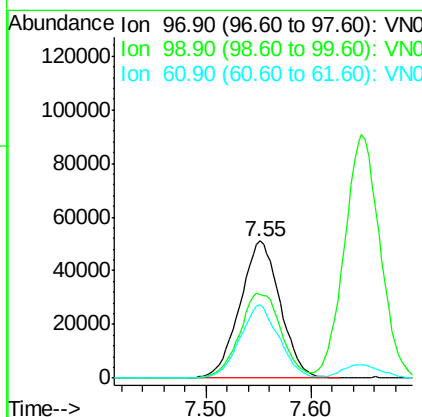
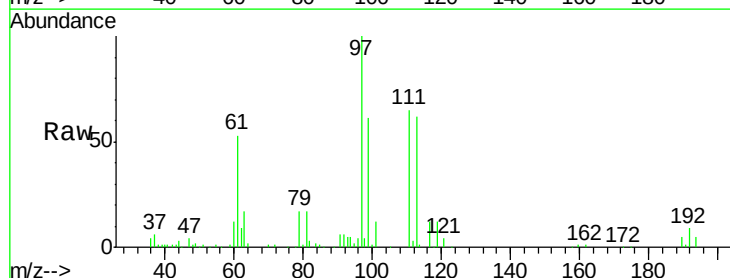
RT: 7.55 min Scan# 1797

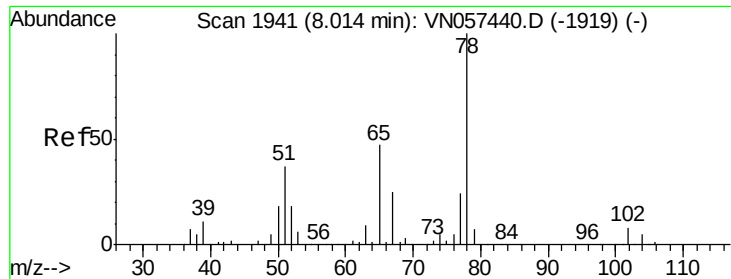
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	97	Resp:	135280
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	51.7	39.8	59.6





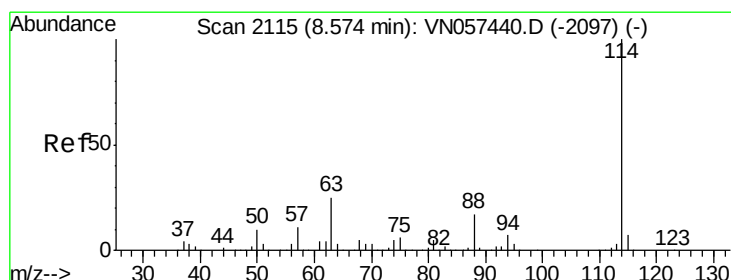
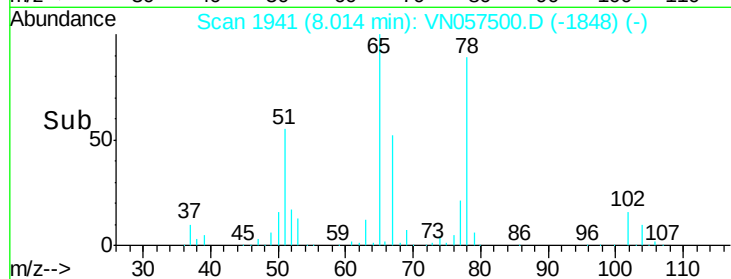
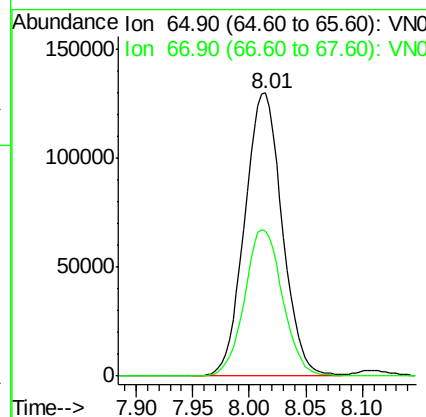
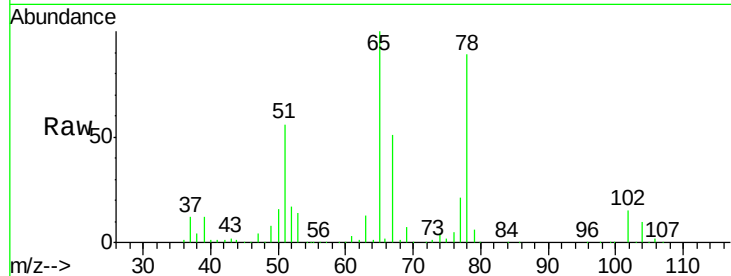
#33
 1,2-Dichloroethane-d4
 Concen: 52.915 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN0826WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	300488		
67	52.2	0.0	103.8	

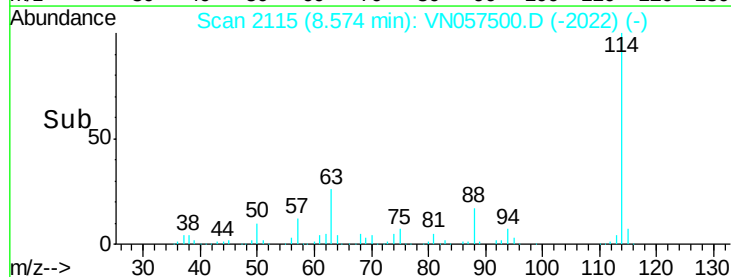
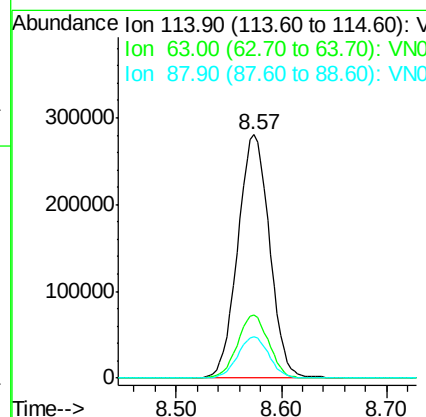
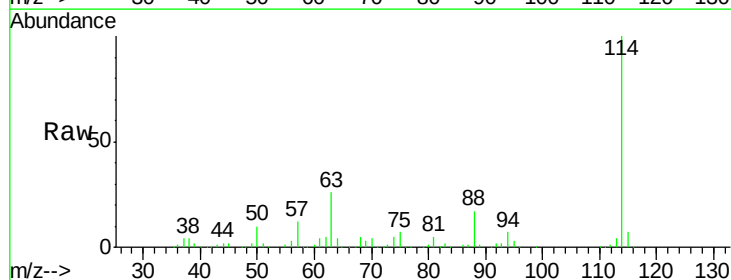
Manual Integrations
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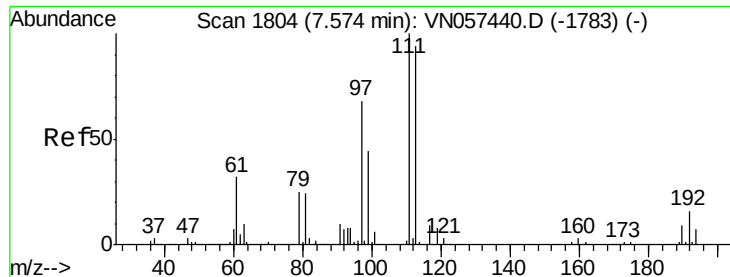
MMDadoda
 8/27/2019 5:30:22 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	587568		
63	25.7	0.0	50.2	
88	16.9	0.0	34.6	





#35

Dibromofluoromethane

Concen: 51.320 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

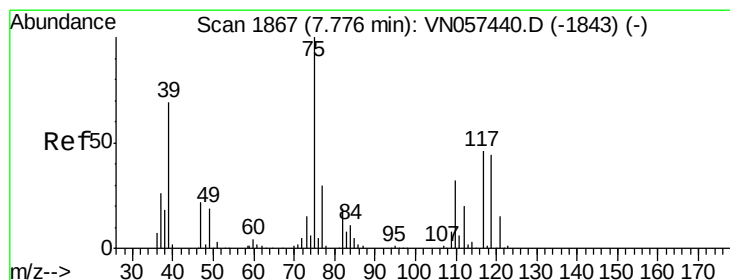
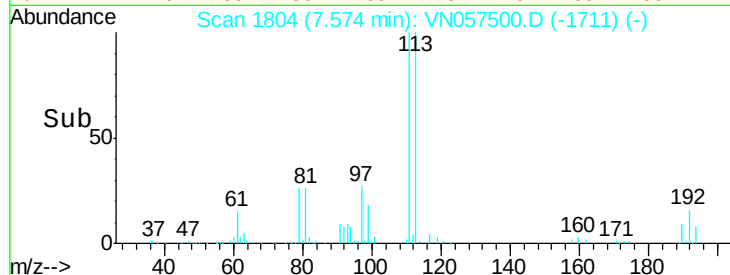
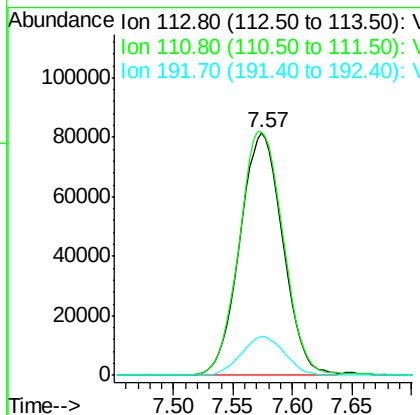
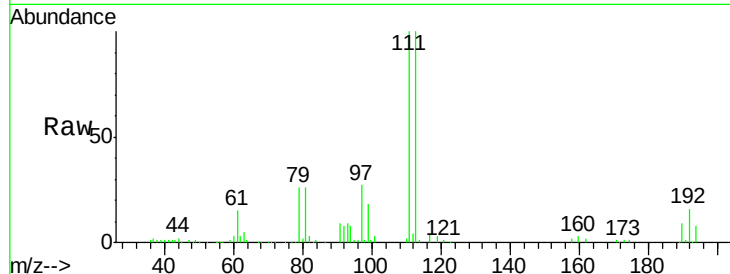
ClientSampled :

VN0826WBS01

Tot Ion:	113	Resp:	203676
Ion Ratio	Lower	Upper	
113	100		
111	103.9	83.8	125.6
192	16.2	13.5	20.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 19.343 ug/l

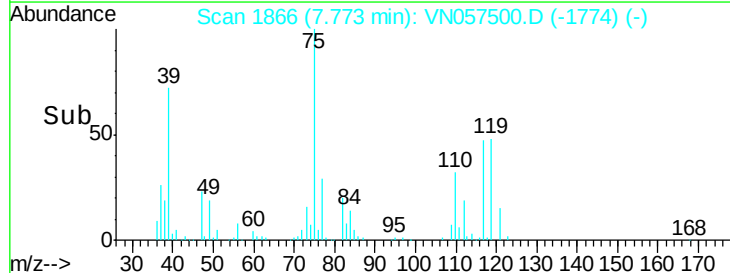
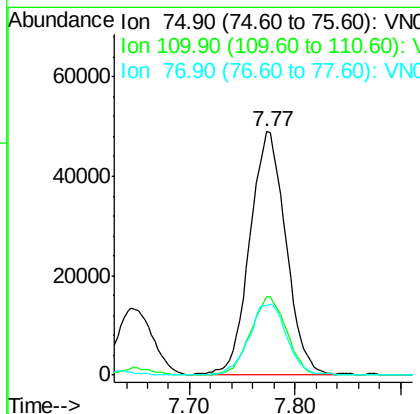
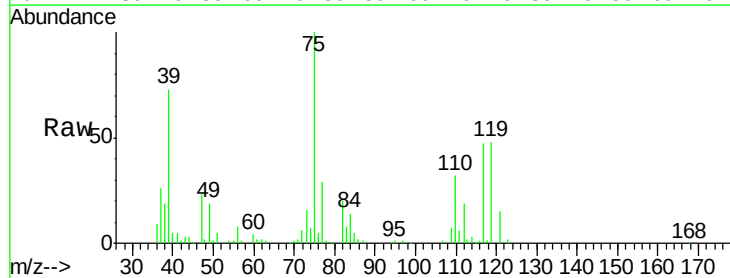
RT: 7.77 min Scan# 1866

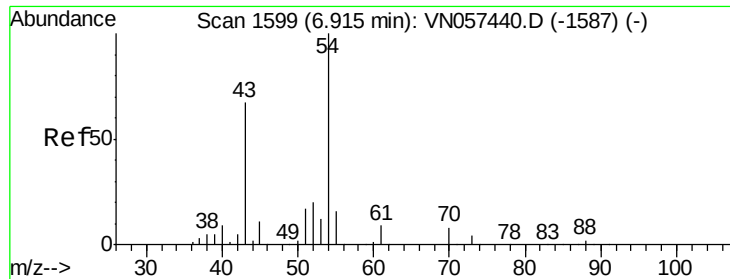
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	75	Resp:	116130
Ion Ratio	Lower	Upper	
75	100		
110	32.5	16.1	48.3
77	30.8	24.8	37.2





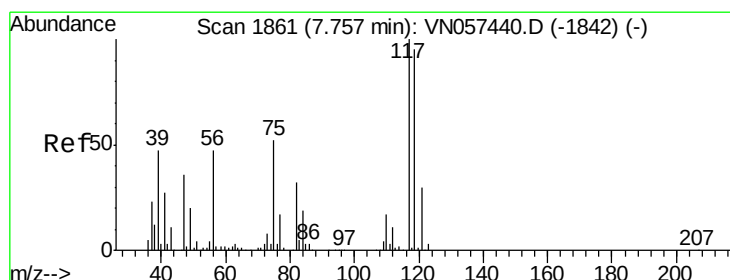
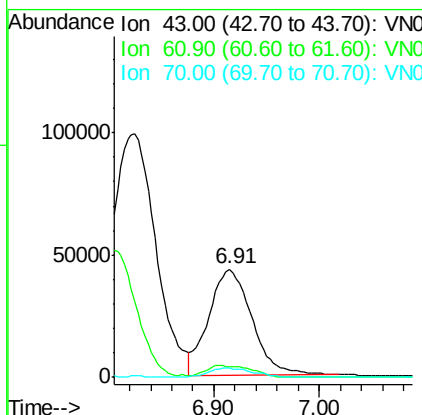
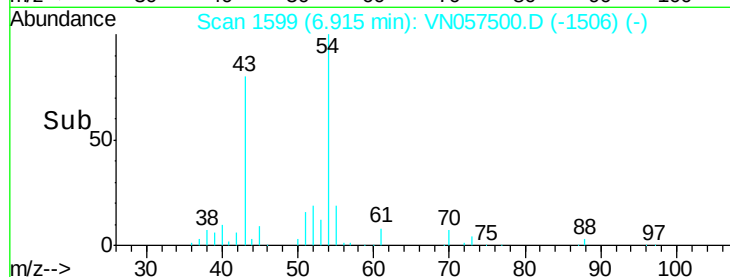
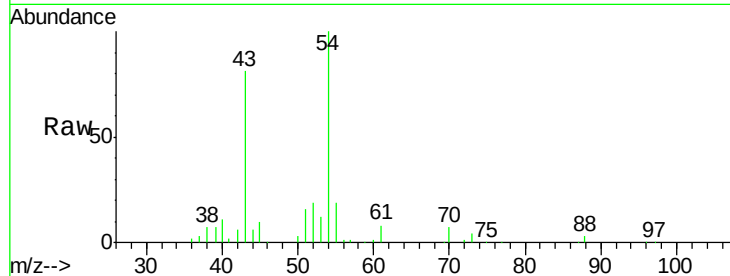
#37
Ethyl Acetate
Concen: 20.720 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	9.9	14.9
70	9.2	7.0	10.6

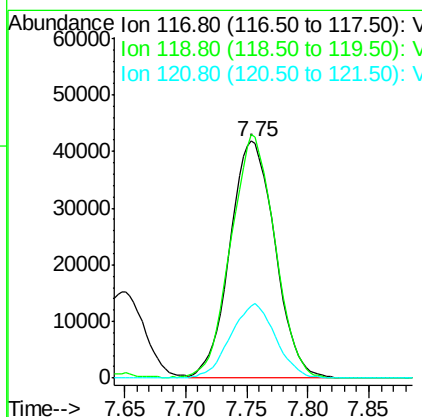
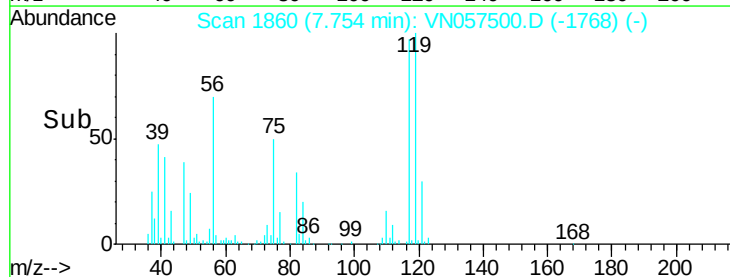
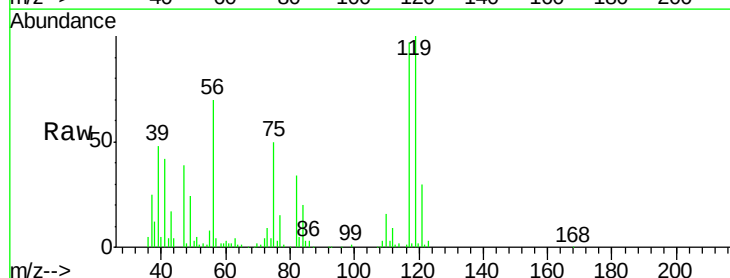
Manual Integrations
APPROVED

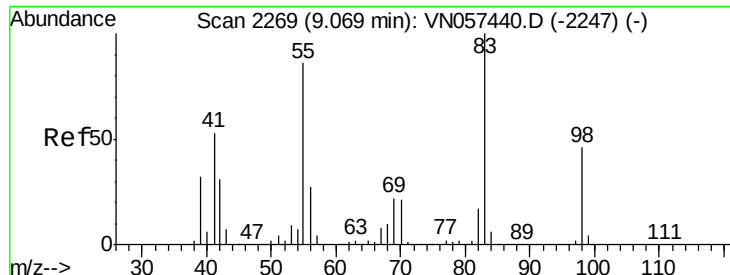
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#38
Carbon Tetrachloride
Concen: 17.981 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.9	76.2	114.4
121	30.7	23.8	35.6





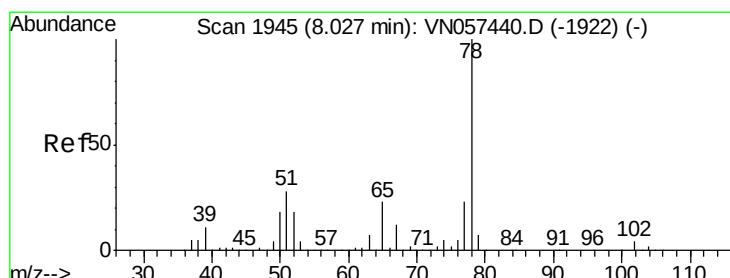
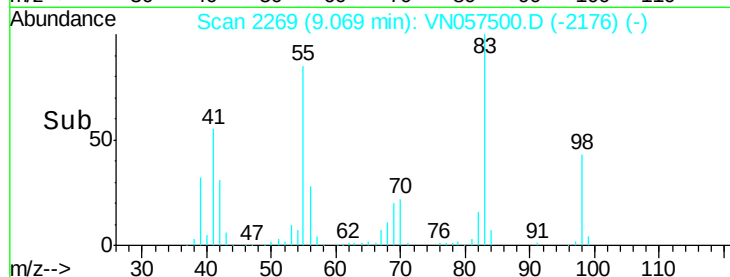
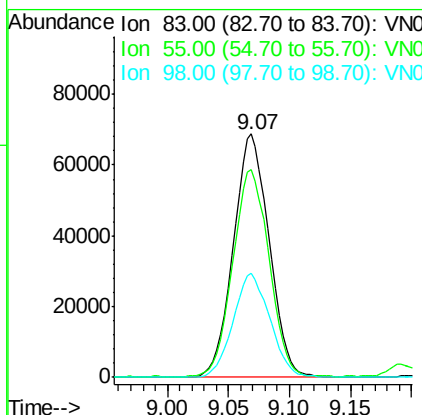
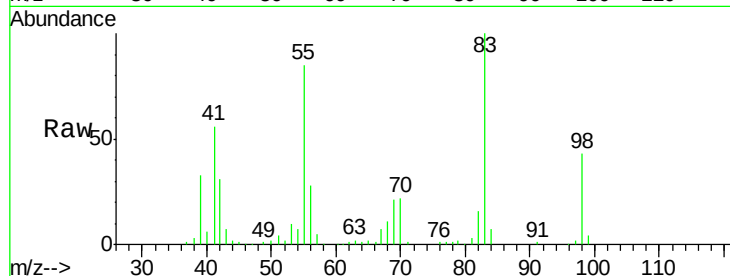
#39
Methylvlcyclohexane
Concen: 19.586 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	85.0	68.6	102.8	
98	42.6	36.6	54.8	

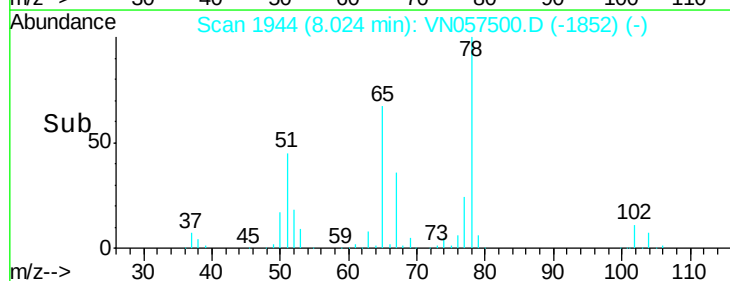
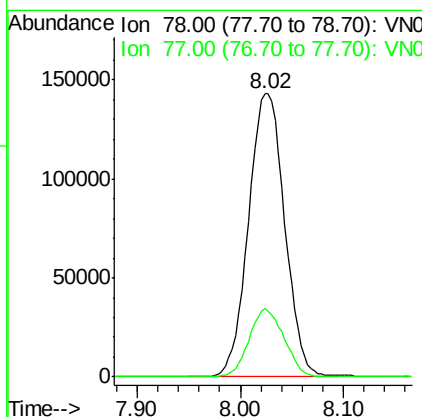
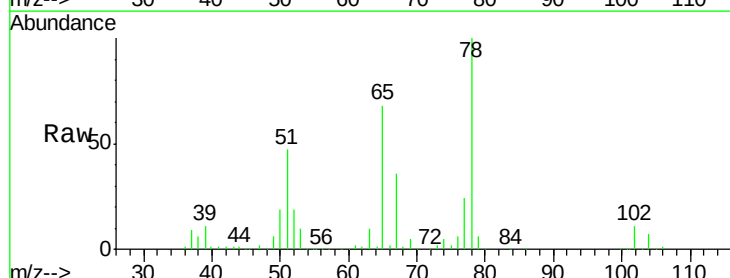
Manual Integrations
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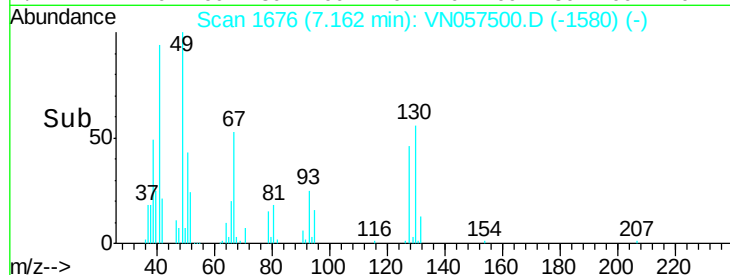
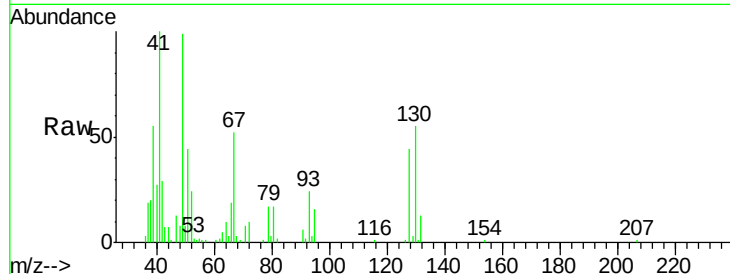
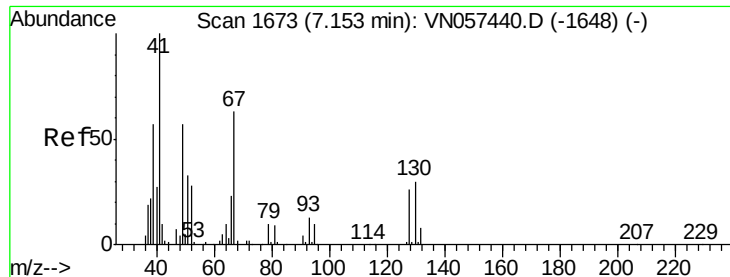
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#40
Benzene
Concen: 19.286 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.1	18.5	27.7	





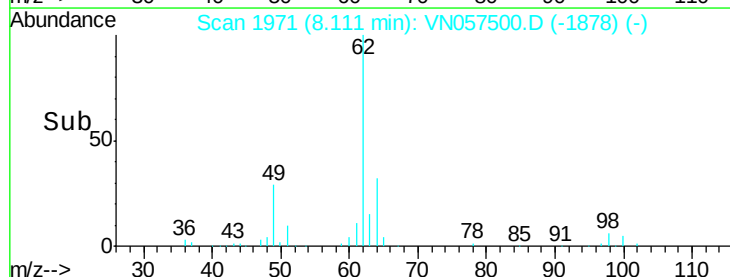
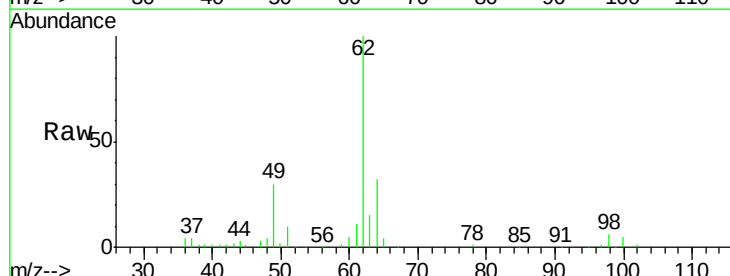
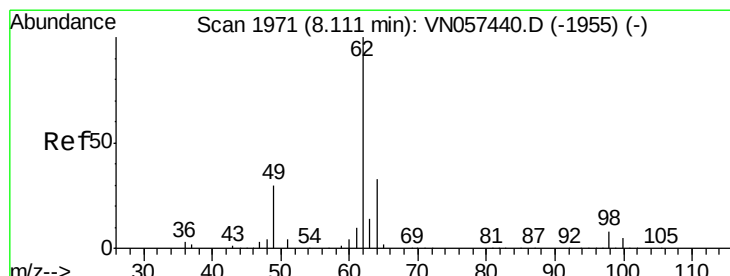
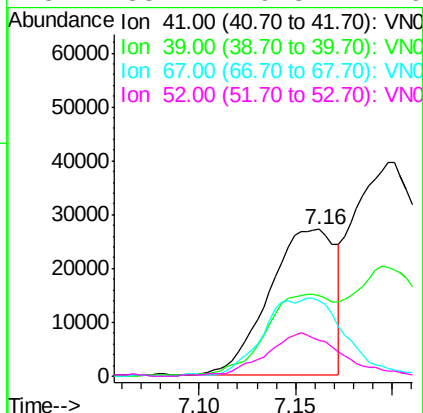
#41
Methacrylonitrile
Concen: 22.765 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		64401		
39	57.4	53.6	80.4		
67	63.3	65.4	98.2		
52	33.7	29.8	44.6		

Instrument :
MSVOA_N
ClientSampled :
VN0826WBS01

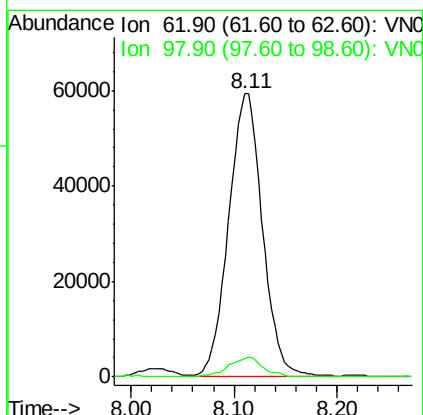
Manual Integrations
APPROVED

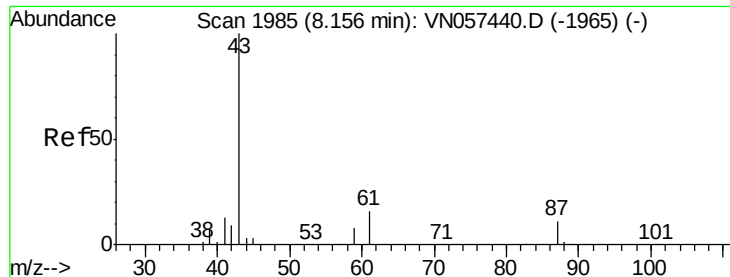
MMDadoda
8/27/2019 5:30:22 PM



#42
1,2-Dichloroethane
Concen: 19.643 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		136288		
98	7.0	0.0	15.4		





#43

Isopropyl Acetate

Concen: 19.280 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

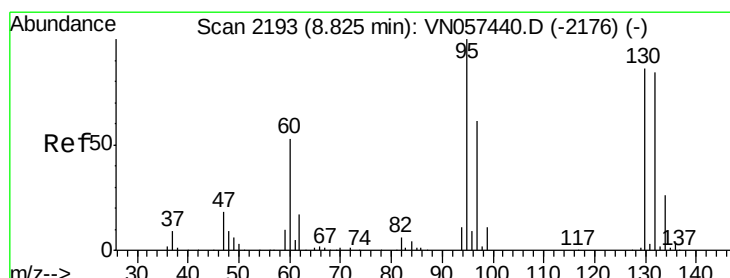
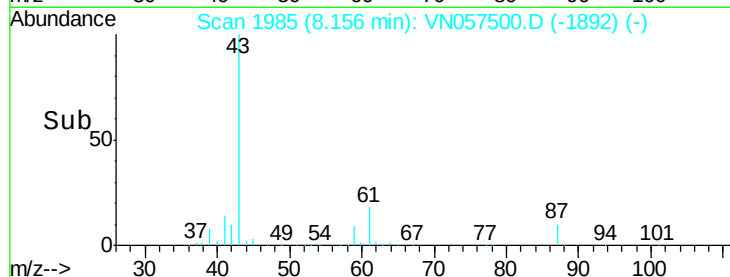
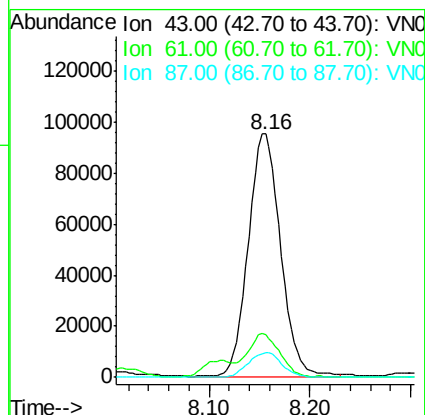
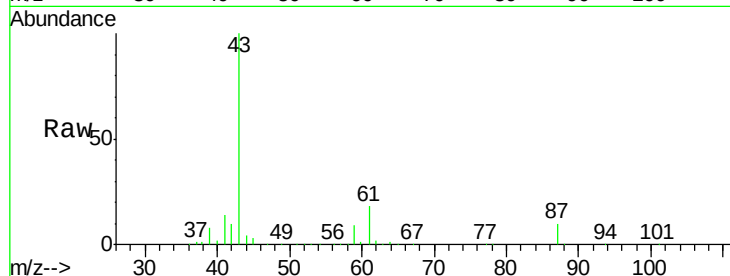
ClientSampleId :

VN0826WBS01

Tot Ion:	43	Resp:	209728
Ion	Ratio	Lower	Upper
43	100		
61	17.1	14.5	21.7
87	10.7	8.6	12.8

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#44

Trichloroethene

Concen: 20.395 ug/l

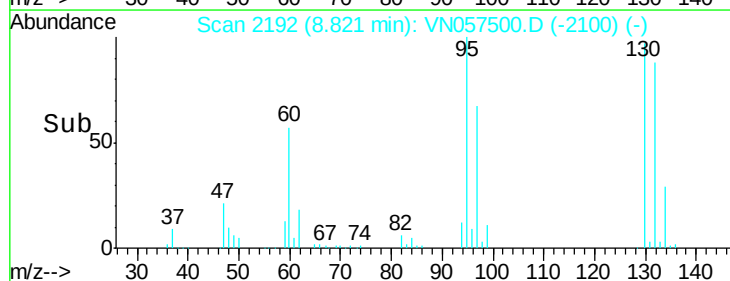
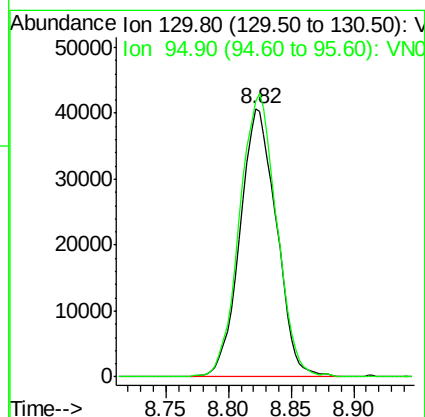
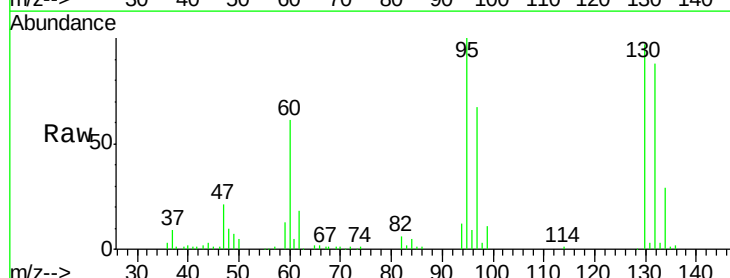
RT: 8.82 min Scan# 2192

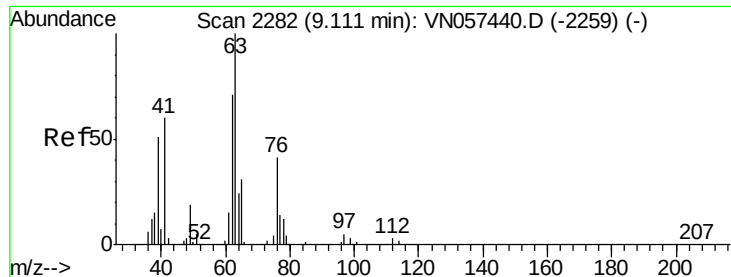
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	130	Resp:	82038
Ion	Ratio	Lower	Upper
130	100		
95	102.9	0.0	231.6





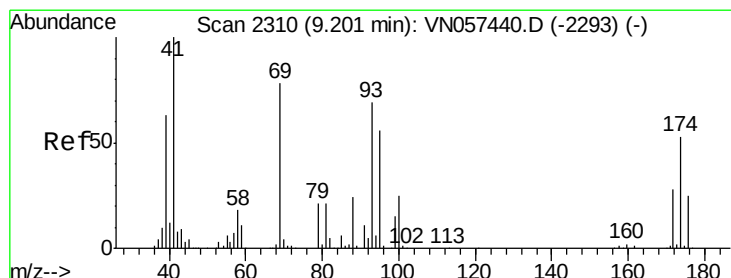
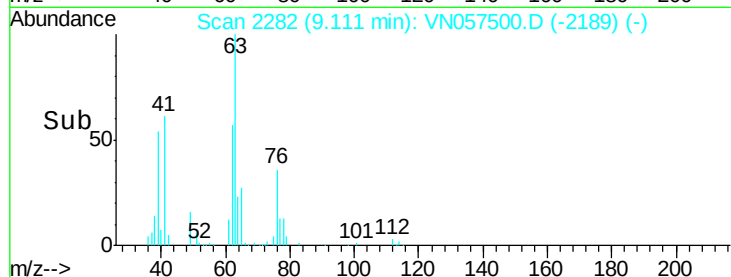
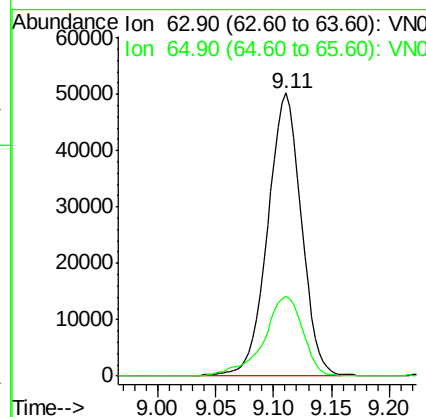
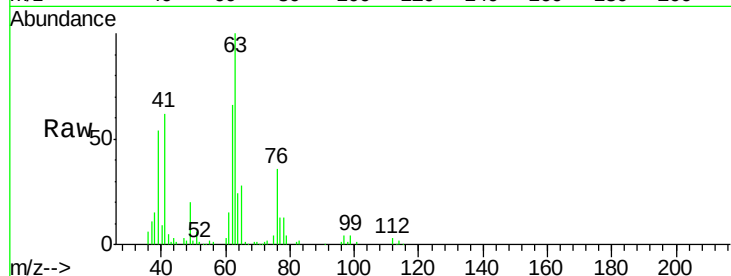
#45
 1,2-Dichloropropane
 Concen: 19.947 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.1	24.7	37.1

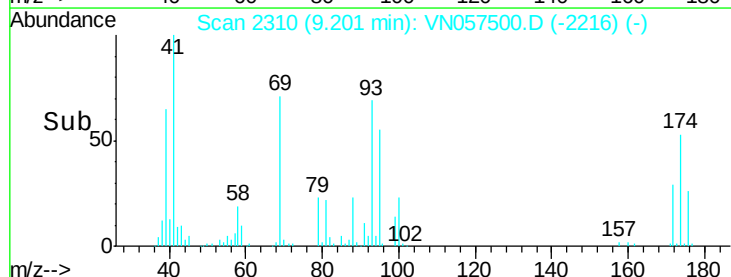
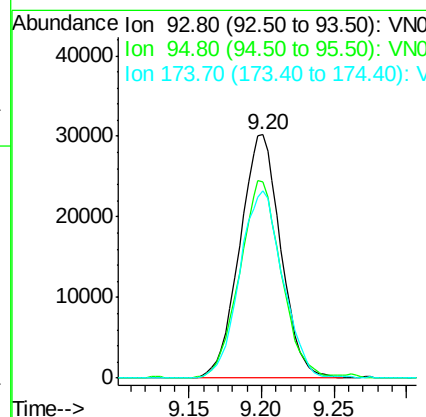
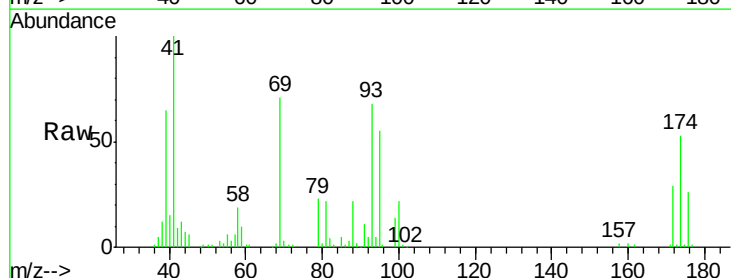
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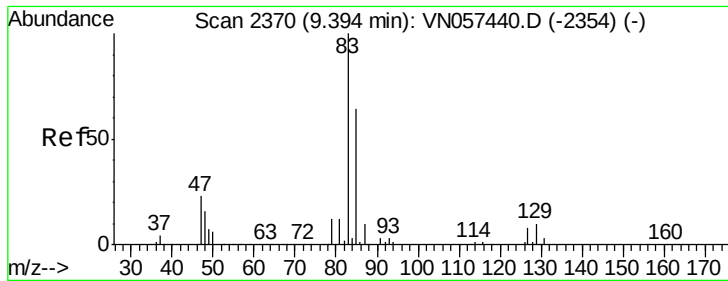
MMDadoda
 8/27/2019 5:30:22 PM



#46
 Dibromomethane
 Concen: 19.687 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	64.7	97.1
174	81.0	62.3	93.5





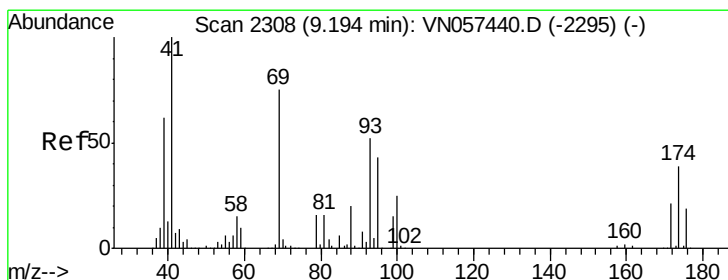
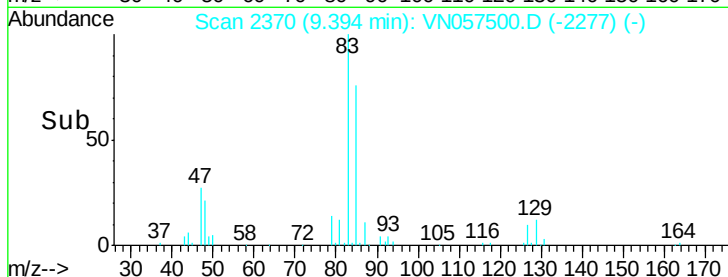
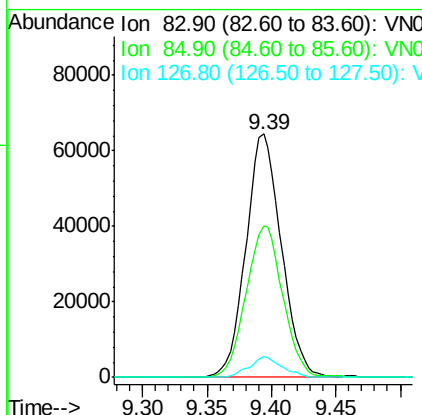
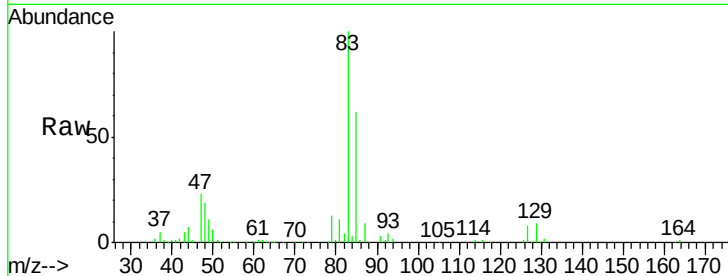
#47
Bromodichloromethane
Concen: 18.450 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.3	51.2	76.8
127	8.4	6.6	10.0

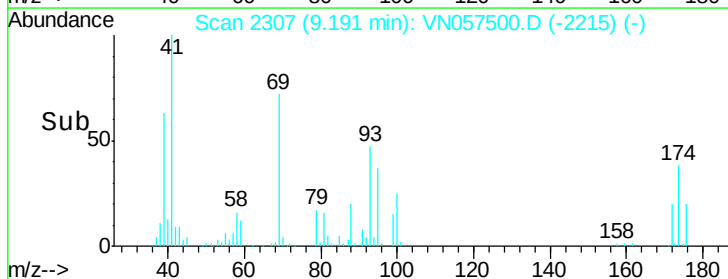
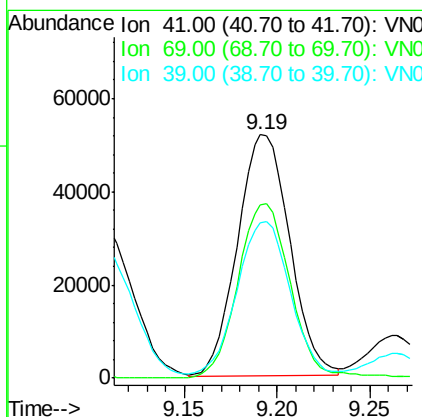
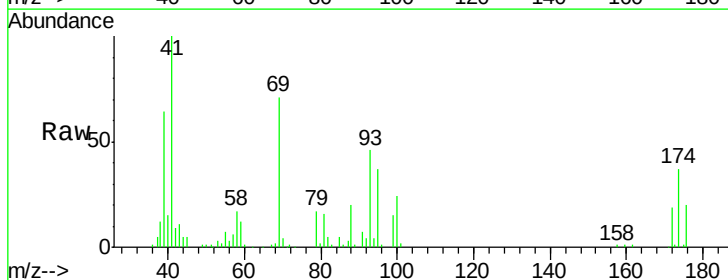
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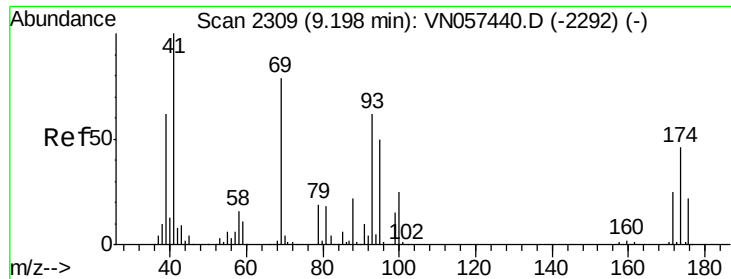
MMDadoda
8/27/2019 5:30:22 PM



#48
Methyl methacrylate
Concen: 19.617 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	72.8	59.3	88.9
39	65.6	50.6	75.8





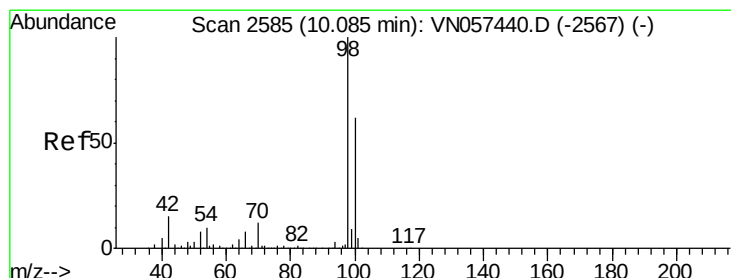
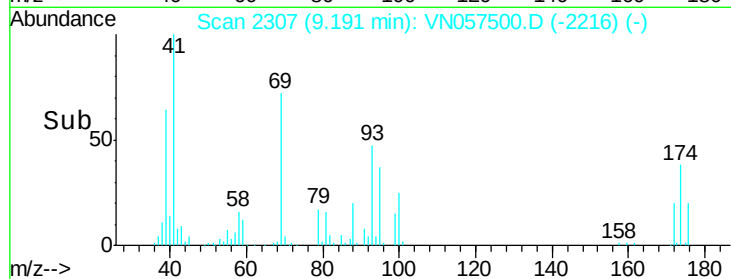
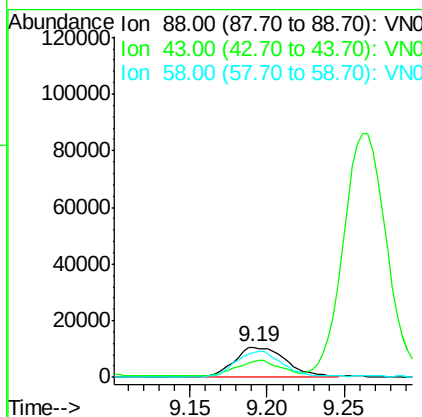
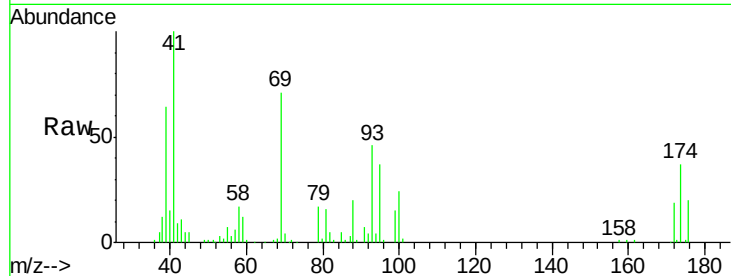
#49
1,4-Dioxane
Concen: 372.818 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	42.4	31.0	46.6
58	78.3	64.5	96.7

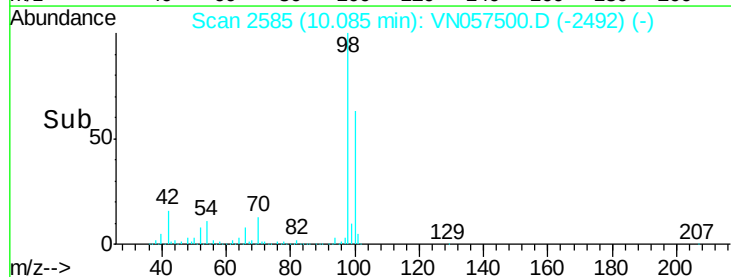
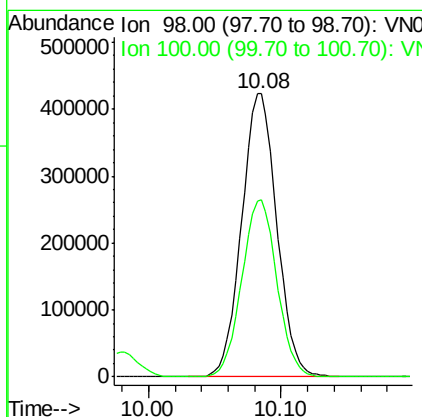
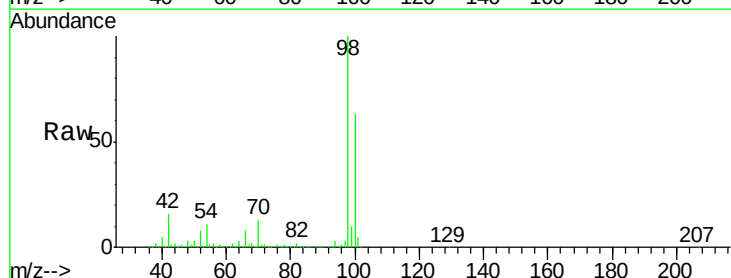
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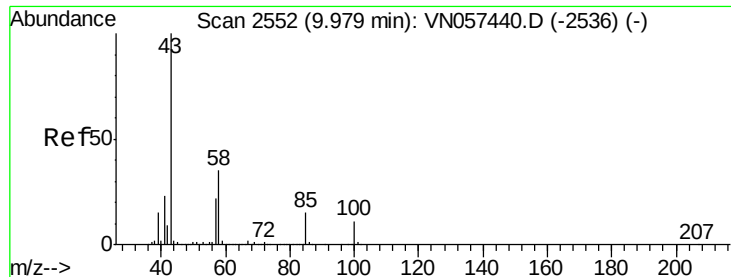
MMDadoda
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#50
Toluene-d8
Concen: 51.927 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.4	50.4	75.6





#51

4-Methyl-2-Pentanone

Concen: 99.367 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion: 43 Resp: 602409

Ion Ratio Lower Upper

43 100

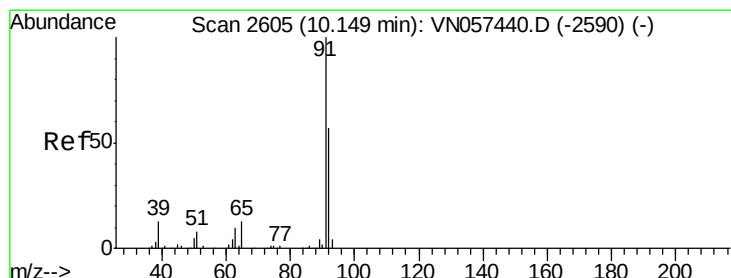
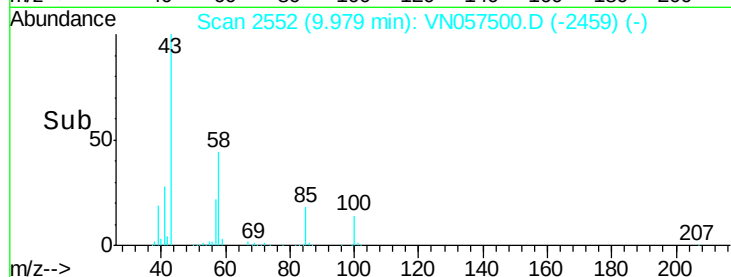
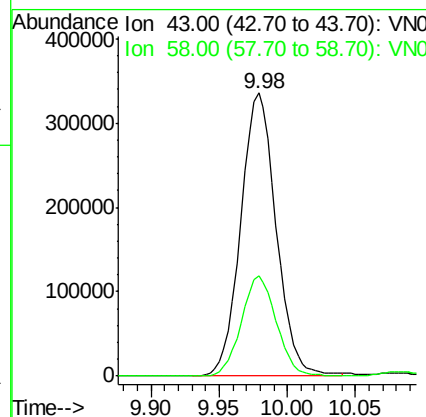
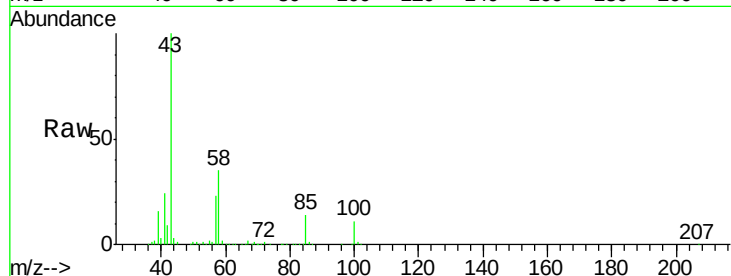
58 35.3 27.9 41.9

Manual Integrations

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#52

Toluene

Concen: 19.562 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN057500.D

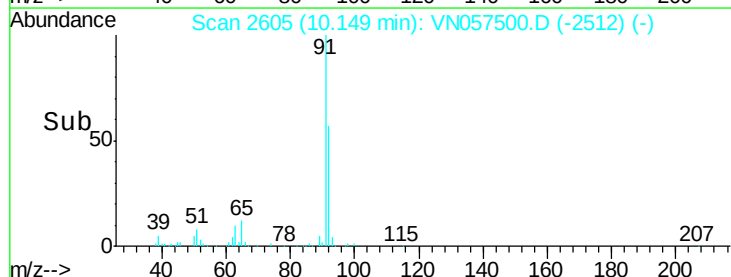
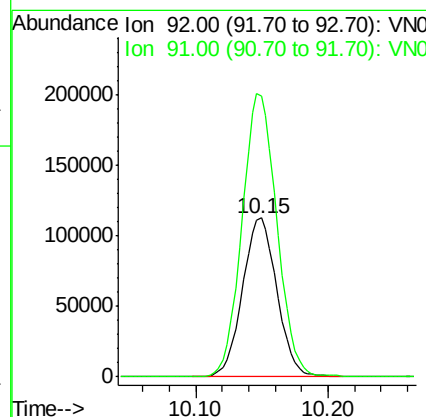
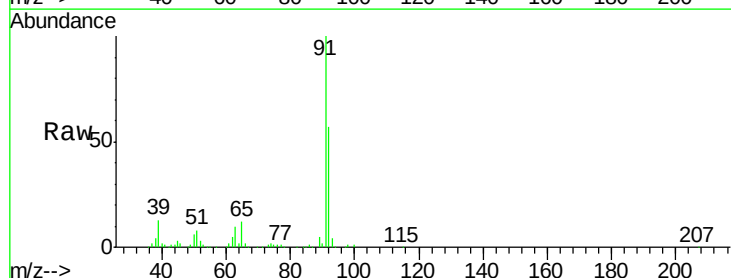
Acq: 26 Aug 2019 10:24

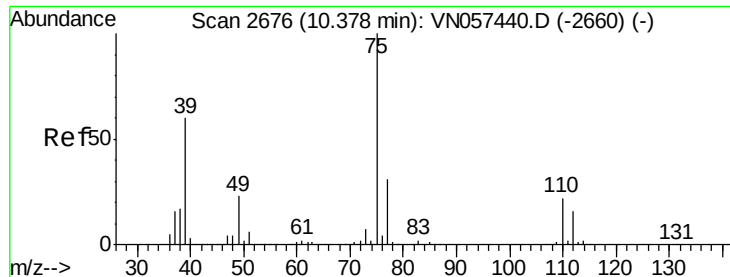
Tgt Ion: 92 Resp: 203168

Ion Ratio Lower Upper

92 100

91 180.3 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 18.472 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS01

Tot Ion: 75 Resp: 129542

Ion Ratio Lower Upper

75 100

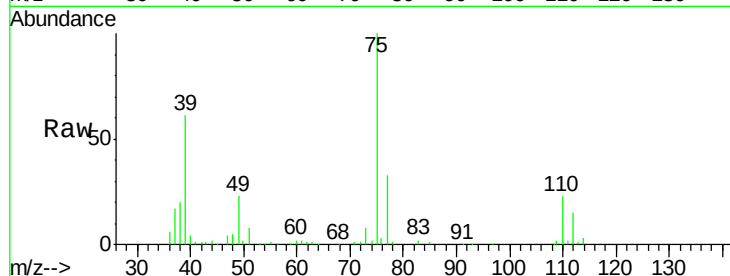
77 32.6 25.0 37.6

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

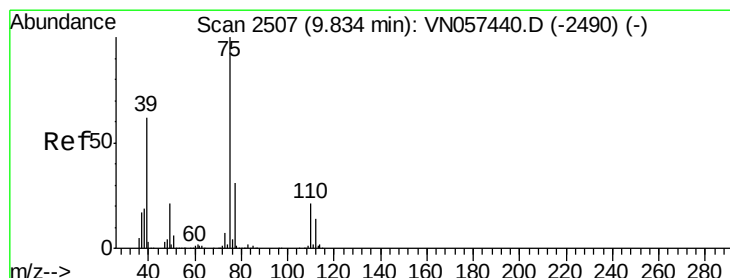
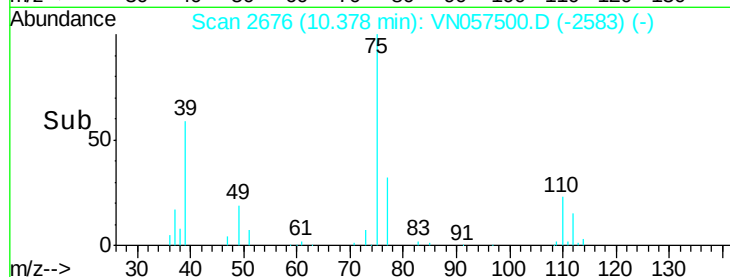
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.546 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

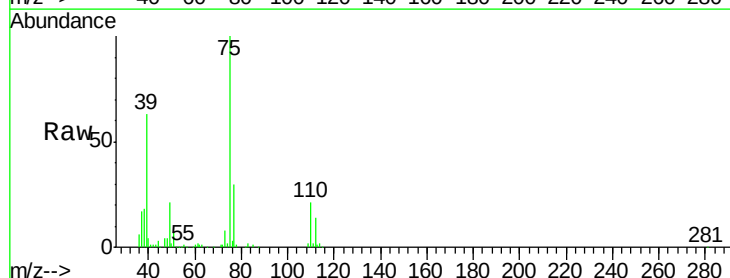
Tgt Ion: 75 Resp: 144812

Ion Ratio Lower Upper

75 100

77 29.7 25.0 37.6

39 62.4 49.2 73.8



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

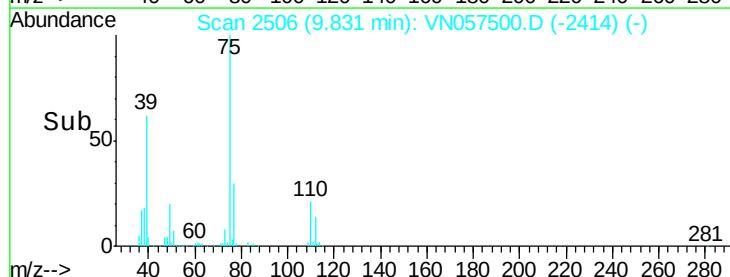
60000

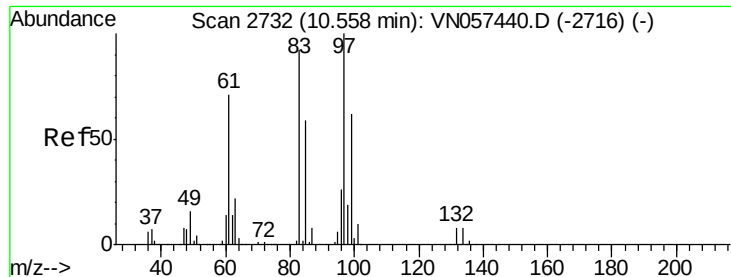
40000

20000

0

Time-->





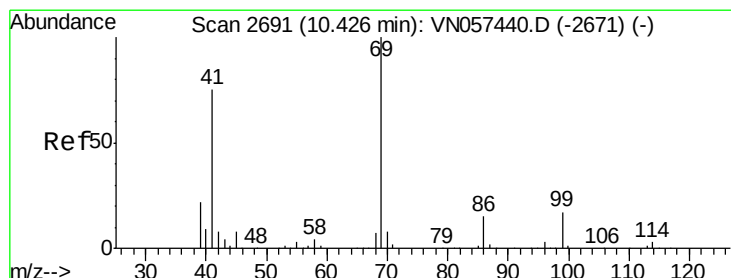
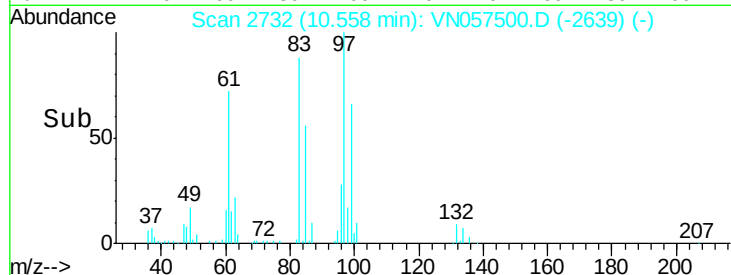
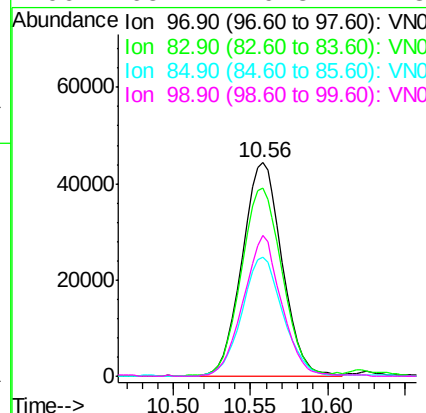
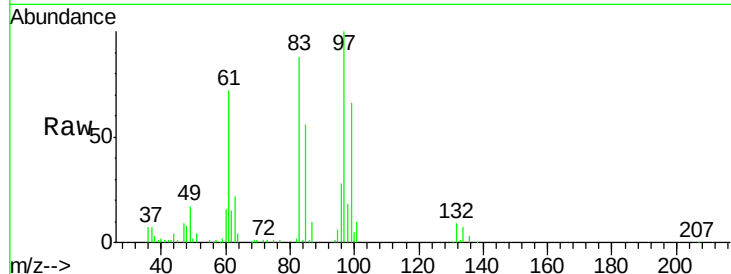
#55
 1,1,2-Trichloroethane
 Concen: 19.020 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	87.4	73.7	110.5
85	56.0	46.8	70.2
99	65.7	49.8	74.8

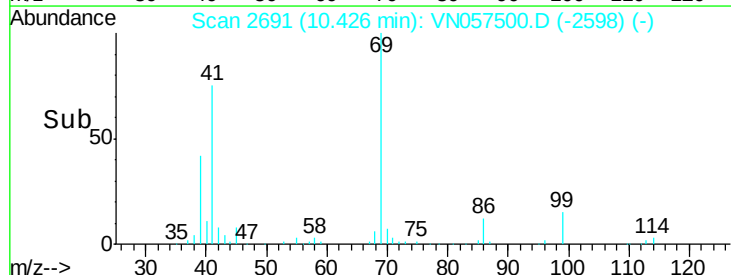
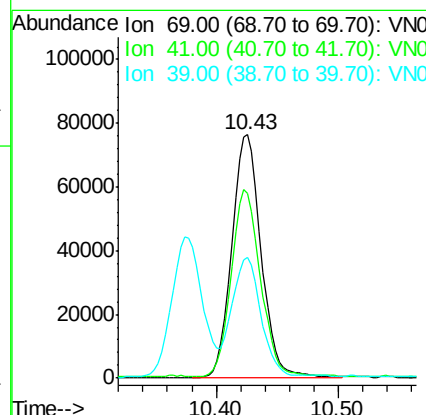
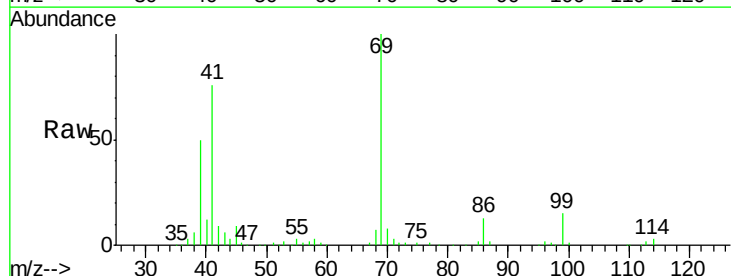
Manual Integrations
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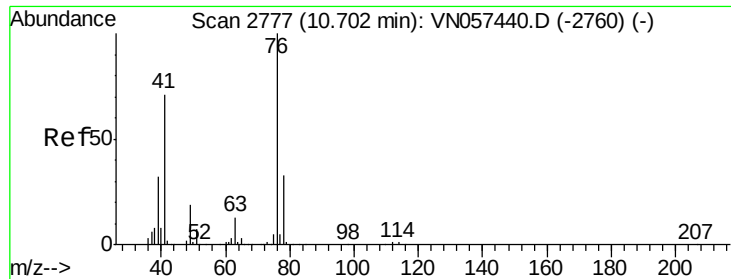
MMDadoda
 8/27/2019 5:30:22 PM



#56
 Ethyl methacrylate
 Concen: 19.521 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	76.3	60.8	91.2
39	48.6	36.5	54.7





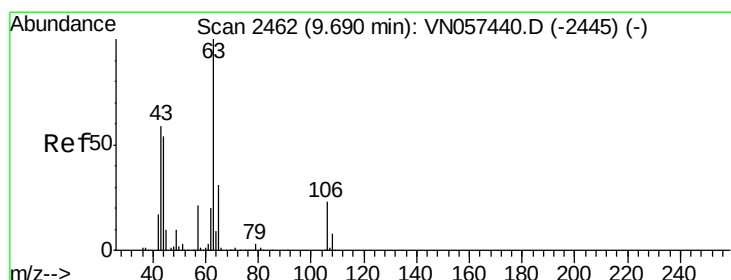
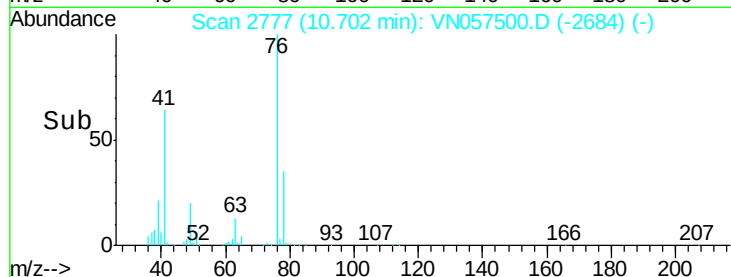
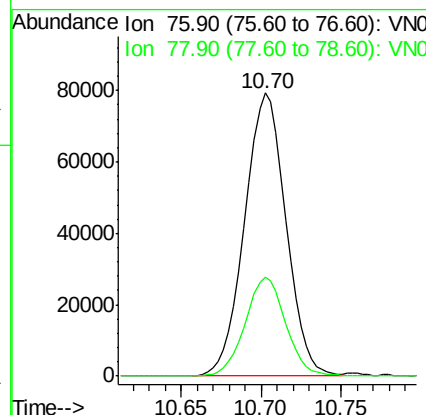
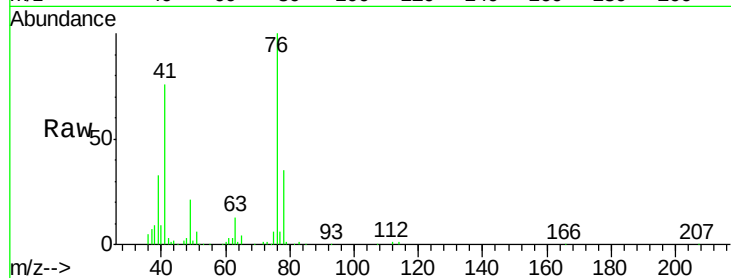
#57
 1,3-Dichloropropane
 Concen: 19.178 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.2	25.5	38.3

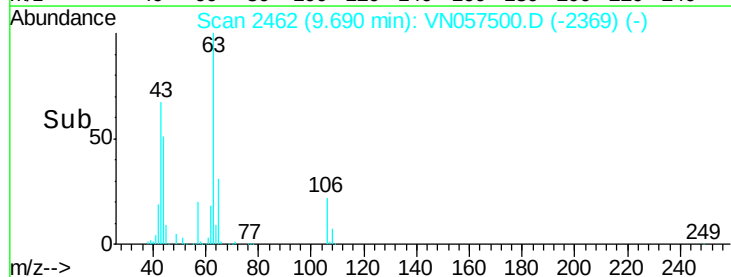
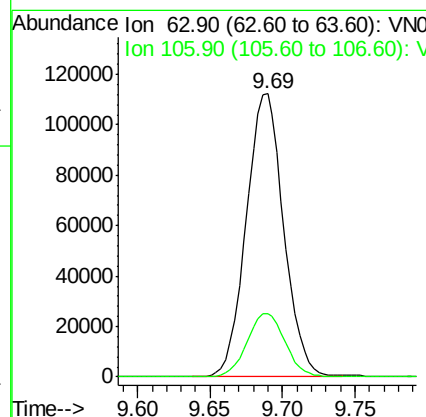
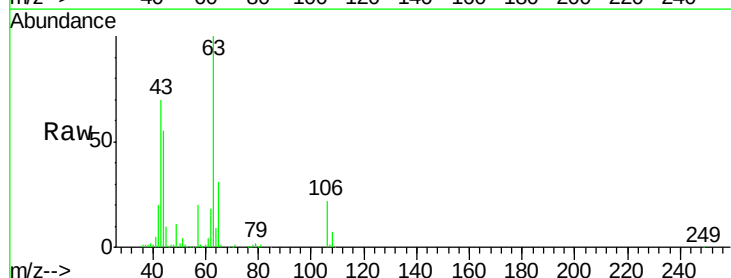
Manual Integrations
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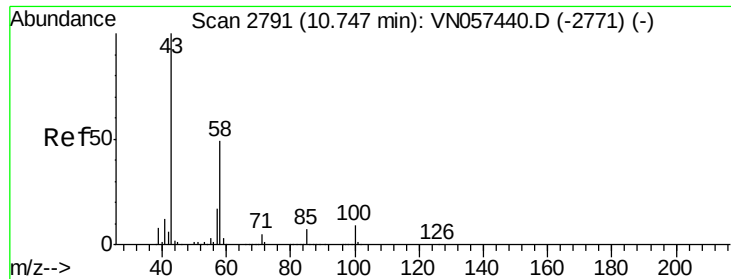
MMDadoda
 8/27/2019 5:30:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 119.335 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.9	18.6	27.8





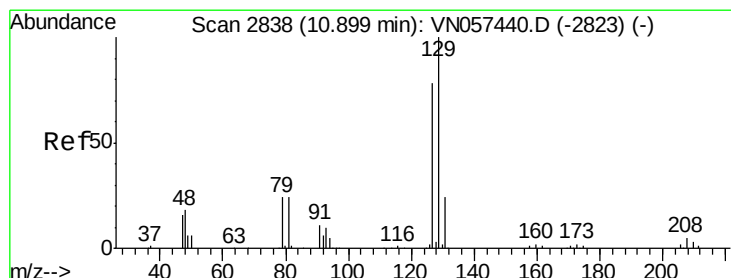
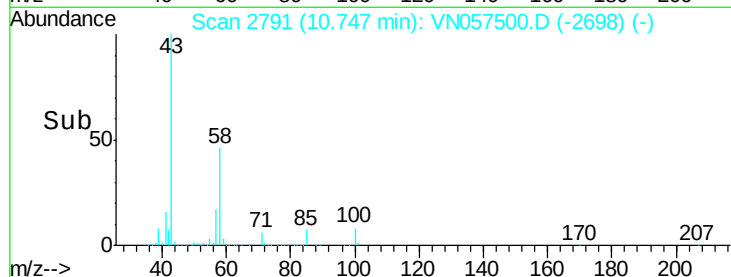
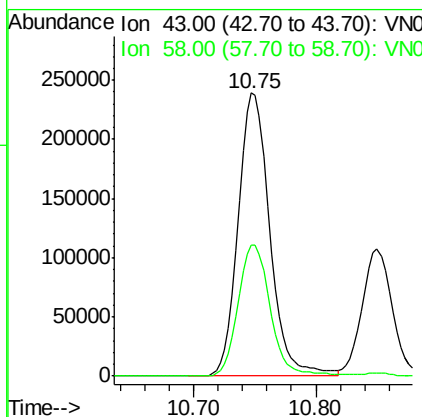
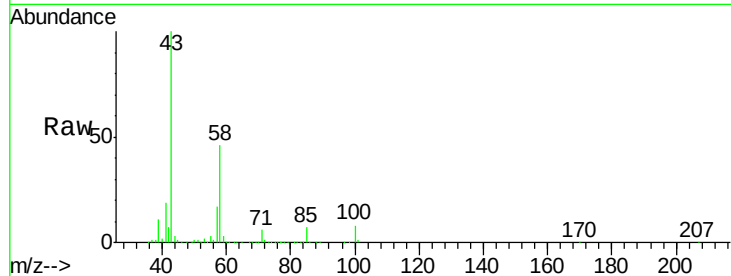
#59
2-Hexanone
Concen: 102.554 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0826WBS01

Tot Ion: 43 Resp: 426437
Ion Ratio Lower Upper
43 100
58 47.7 24.6 73.6

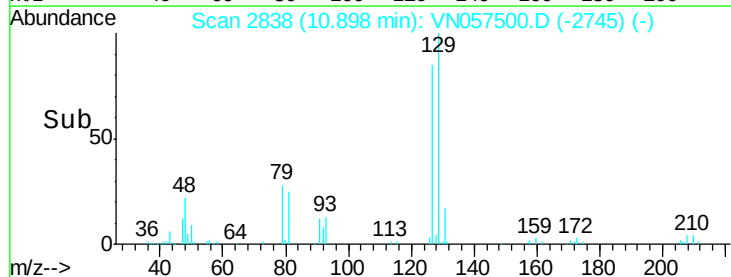
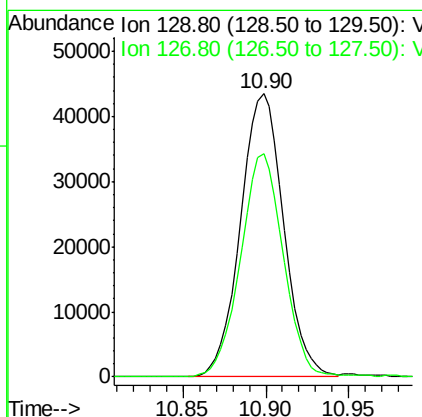
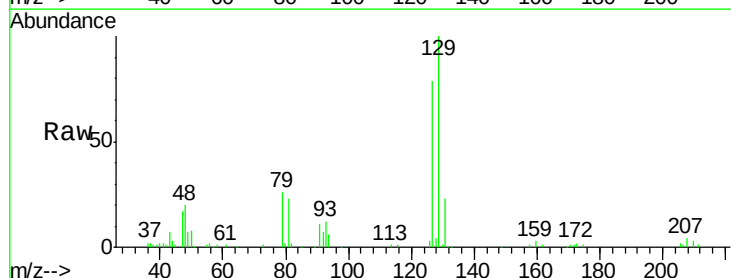
Manual Integrations
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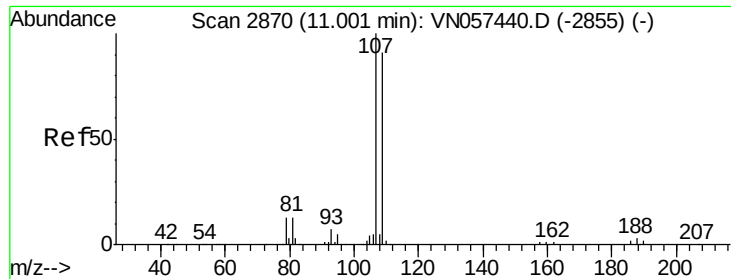
MMDadoda
8/27/2019 5:30:22 PM



#60
Dibromochloromethane
Concen: 17.802 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion: 129 Resp: 79016
Ion Ratio Lower Upper
129 100
127 77.9 39.0 116.9





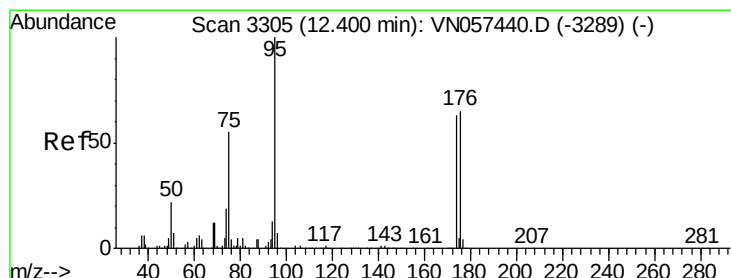
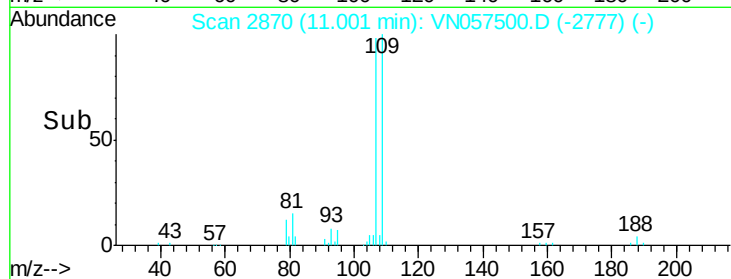
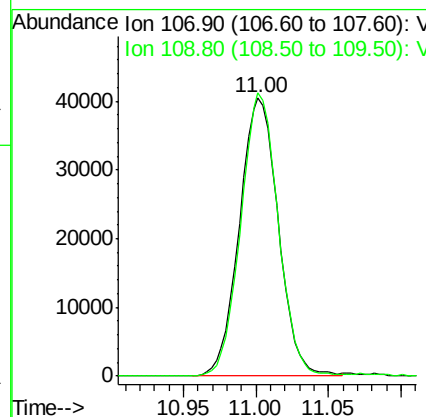
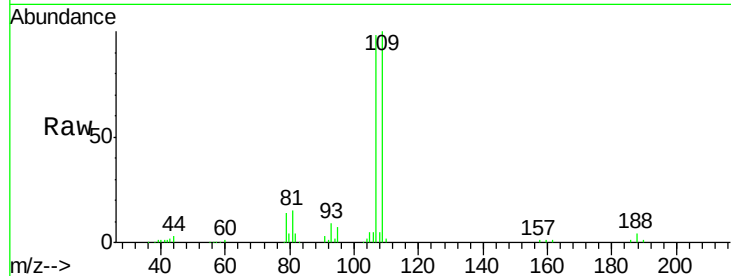
#61
 1,2-Dibromoethane
 Concen: 18.342 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.8	73.8	110.8

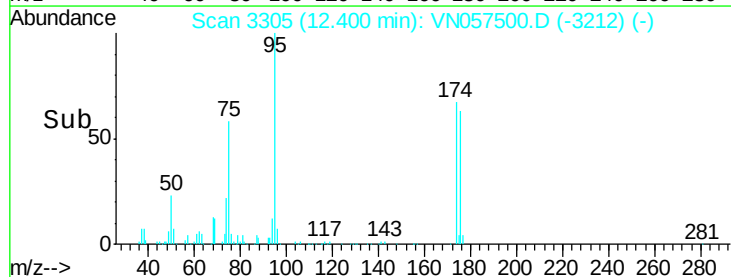
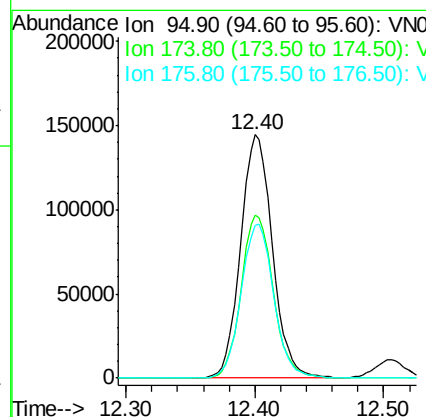
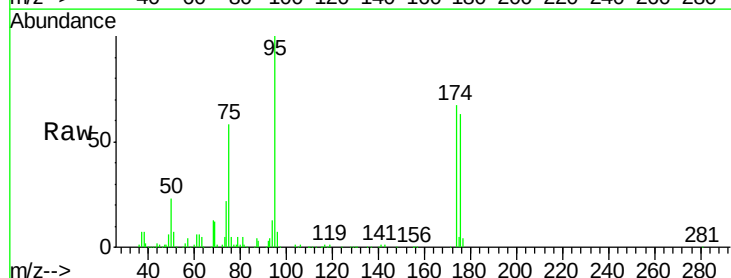
Manual Integrations
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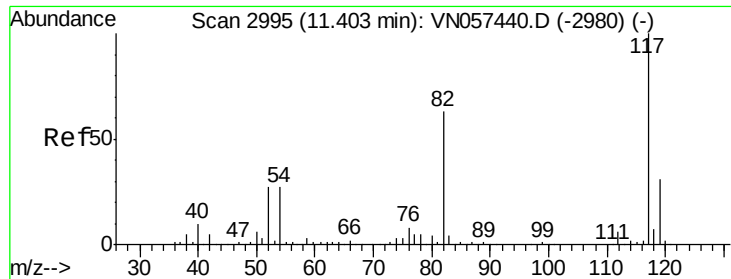
MMDadoda
 8/27/2019 5:30:22 PM



#62
 4-Bromofluorobenzene
 Concen: 48.773 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.6	0.0	133.0
176	65.0	0.0	130.8





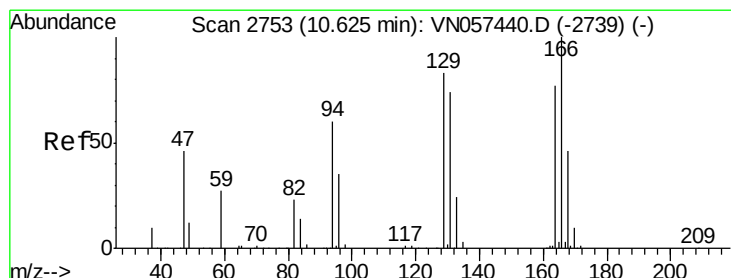
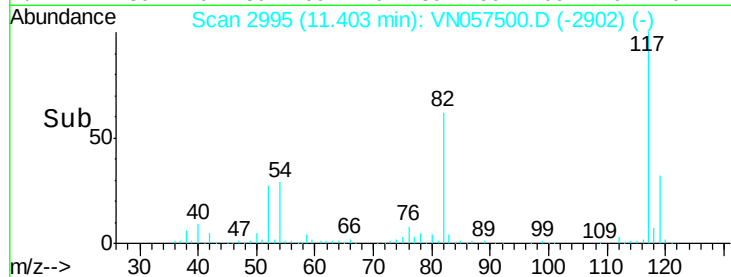
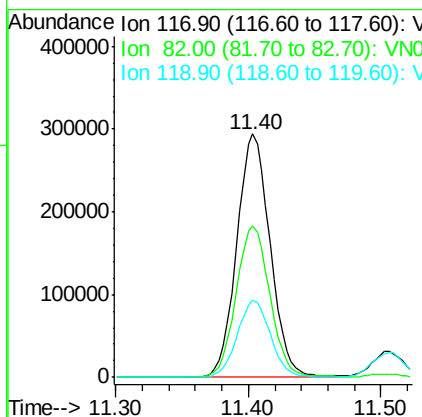
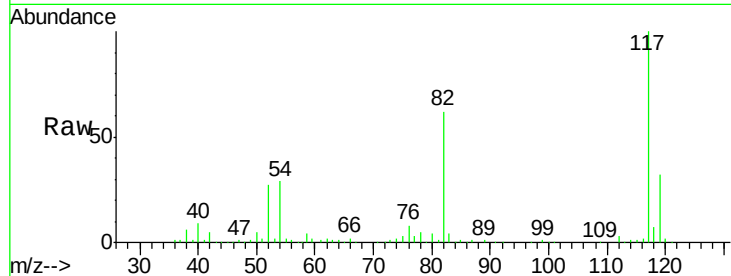
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.9	50.6	75.8
119	31.6	24.6	36.8

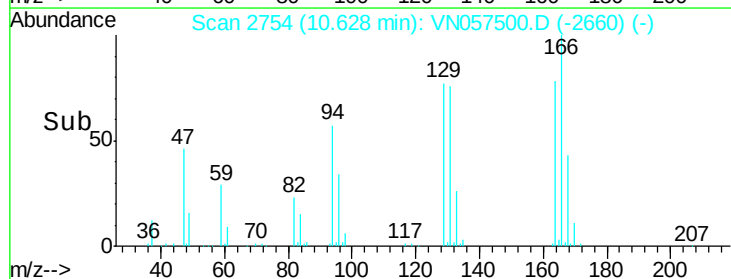
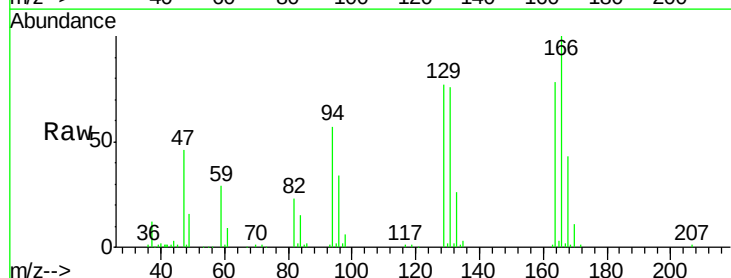
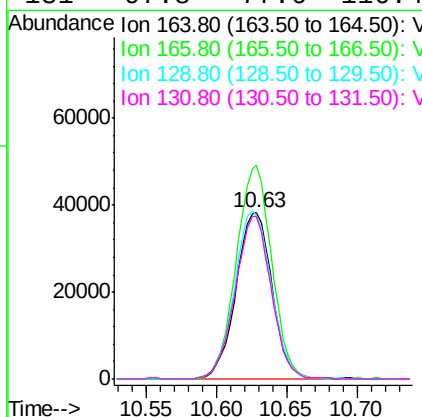
Manual Integrations
APPROVED

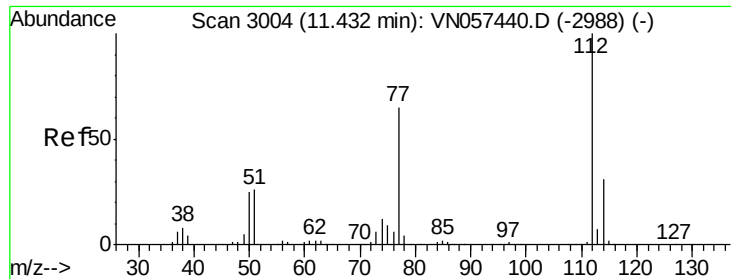
MMDadoda
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#64
Tetrachloroethene
Concen: 19.043 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.5	104.4	156.6
129	98.8	86.6	130.0
131	97.8	77.6	116.4





#65

Chlorobenzene

Concen: 18.873 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion:112 Resp: 196169

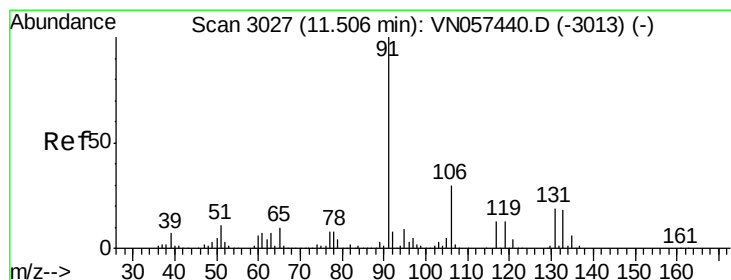
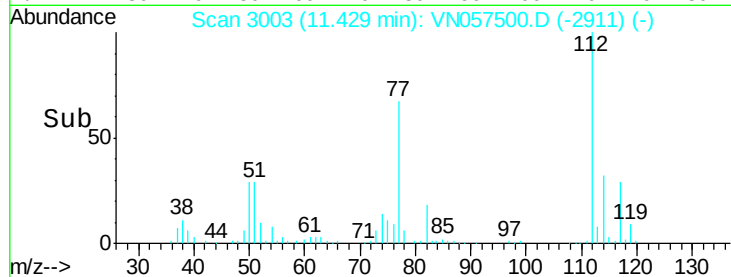
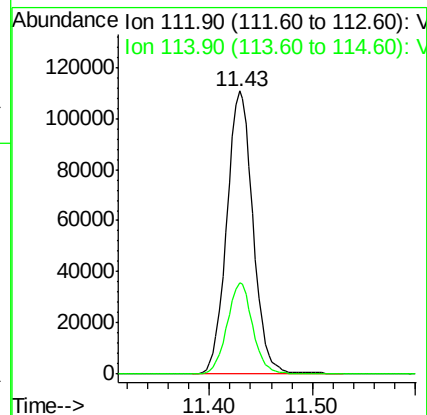
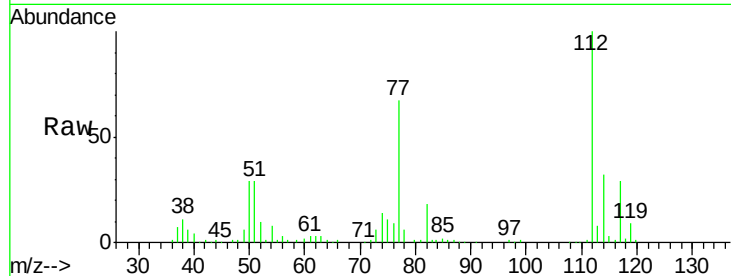
Ion Ratio Lower Upper

112 100

114 32.2 24.8 37.2

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 18.530 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

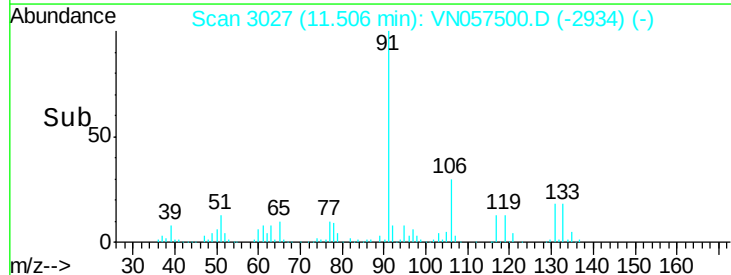
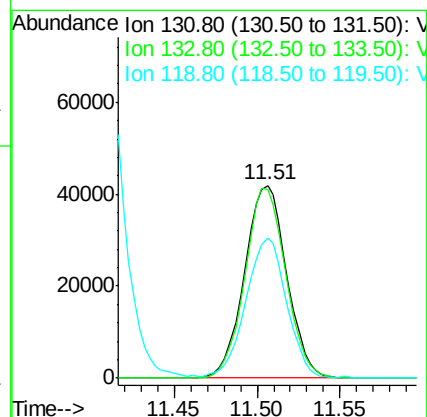
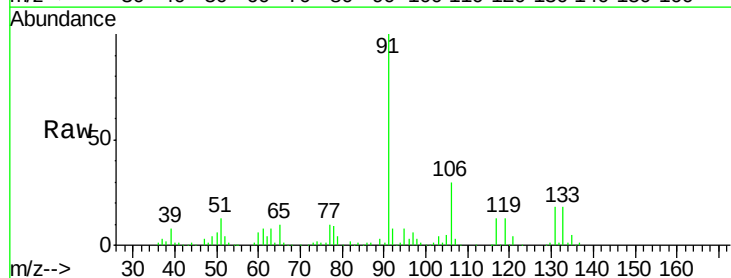
Tgt Ion:131 Resp: 73868

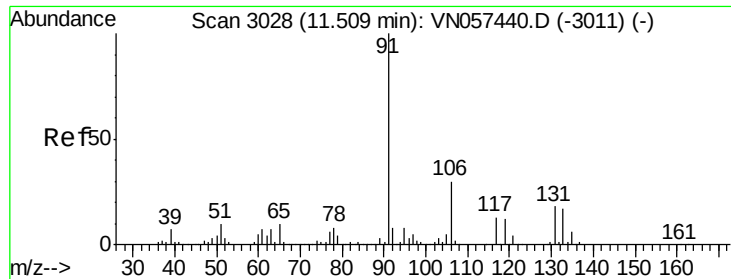
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

119 69.4 34.4 103.2





#67

Ethyl Benzene

Concen: 19.508 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS01

Tot Ion: 91 Resp: 392493

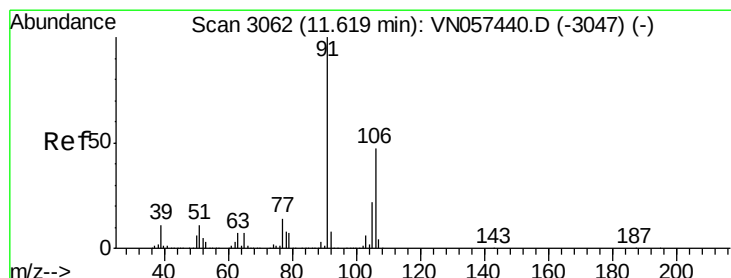
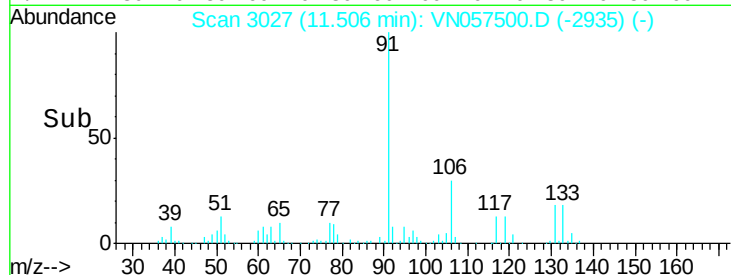
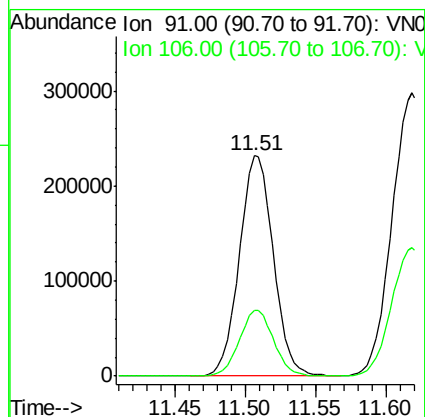
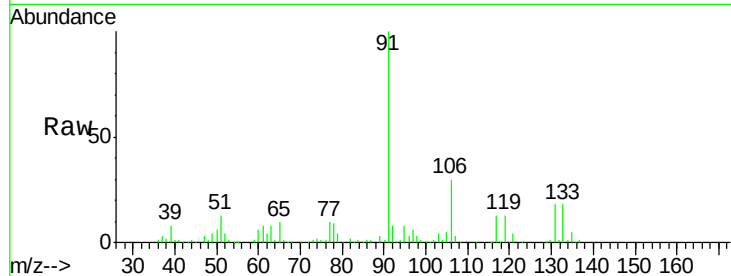
Ion Ratio Lower Upper

91 100

106 30.0 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 39.069 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057500.D

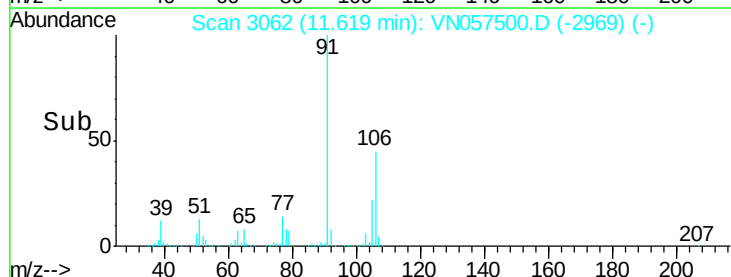
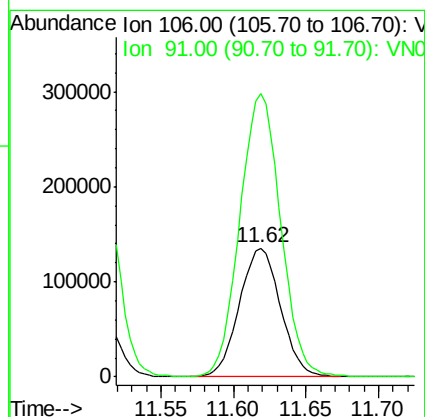
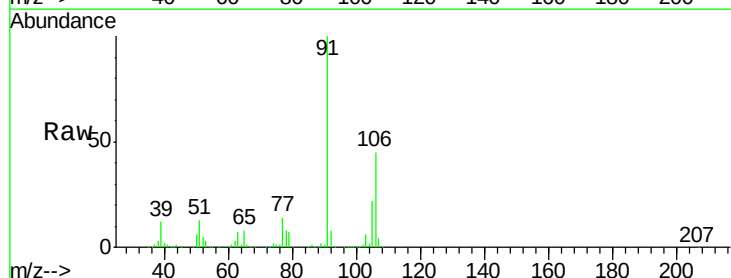
Acq: 26 Aug 2019 10:24

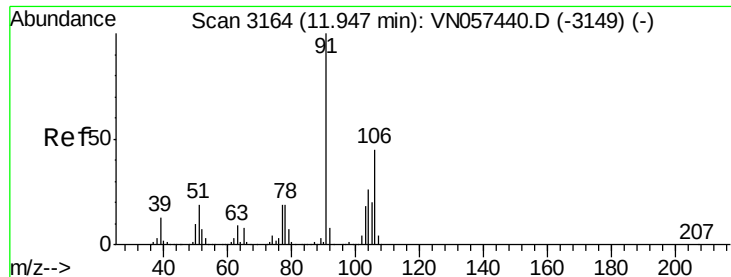
Tgt Ion: 106 Resp: 267313

Ion Ratio Lower Upper

106 100

91 218.0 171.8 257.6





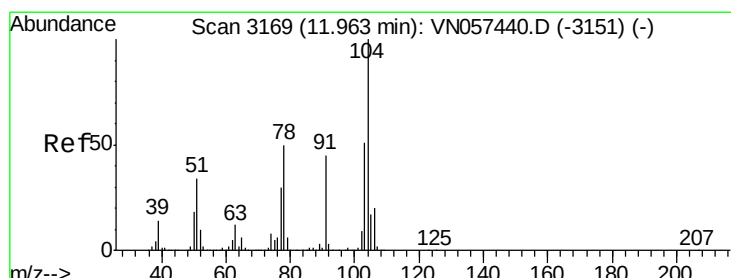
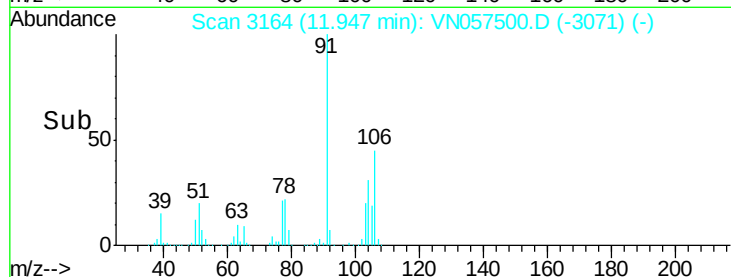
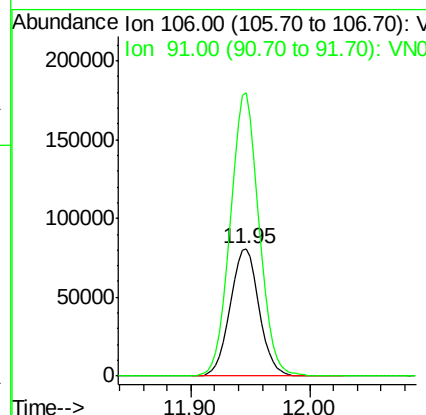
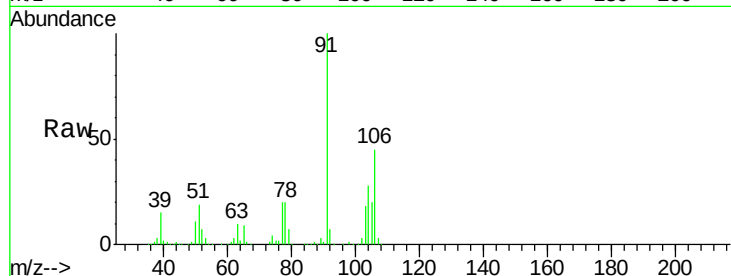
#69
o-Xylene
Concen: 20.102 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	136252		
91	91	220.3	112.3	336.9	

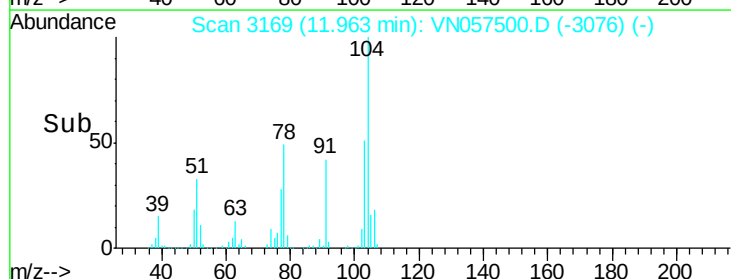
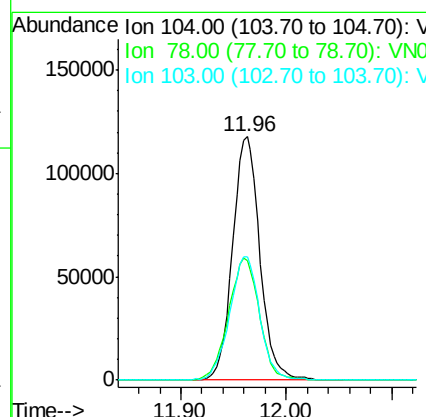
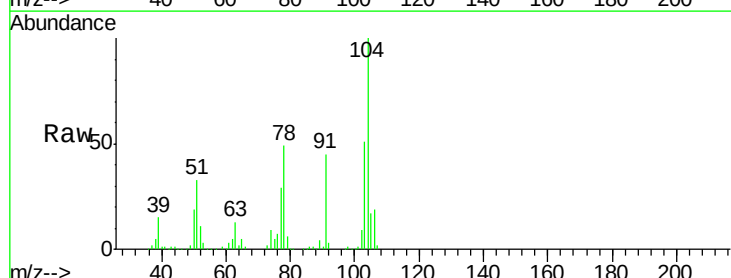
Manual Integrations
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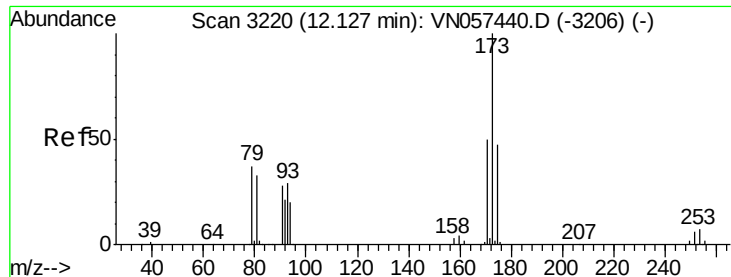
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#70
Styrene
Concen: 19.664 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	211040		
78	78	56.7	44.7	67.1	
103	103	56.0	44.4	66.6	





#71

Bromoform

Concen: 17.323 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

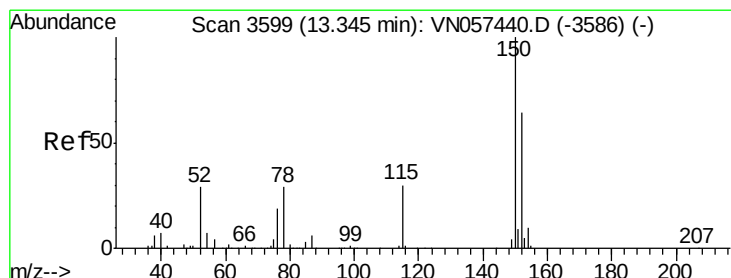
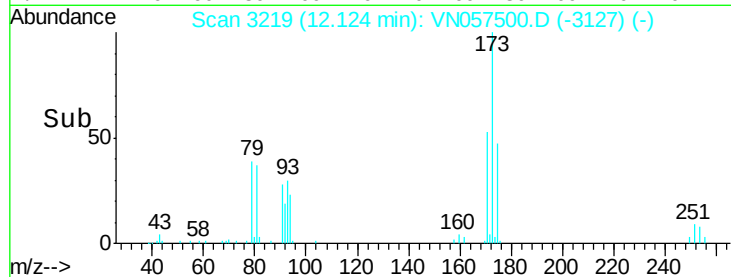
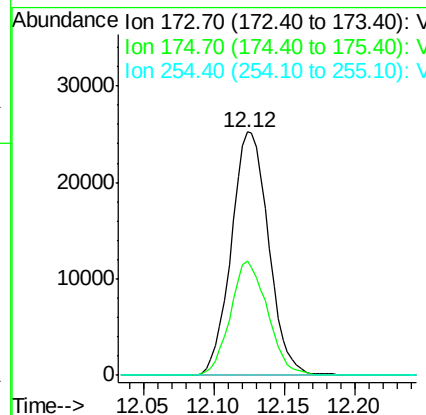
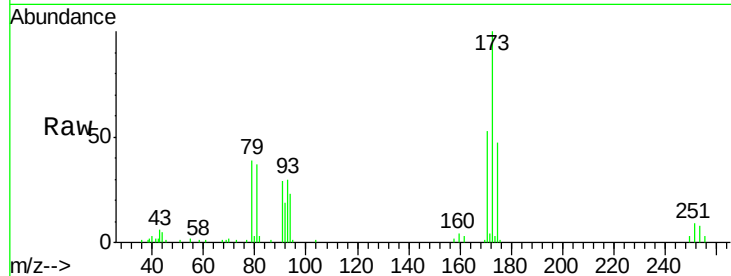
ClientSampleId :

VN0826WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	23.9	71.8
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

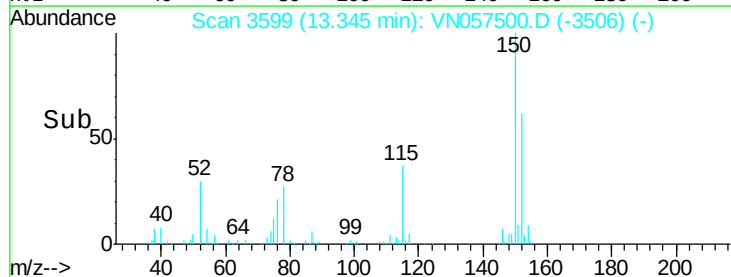
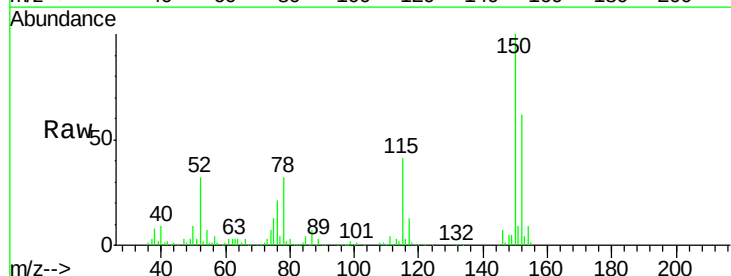
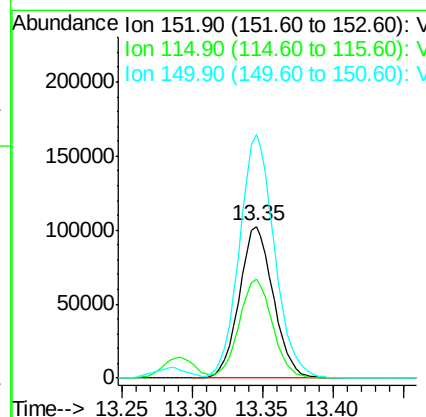
RT: 13.35 min Scan# 3599

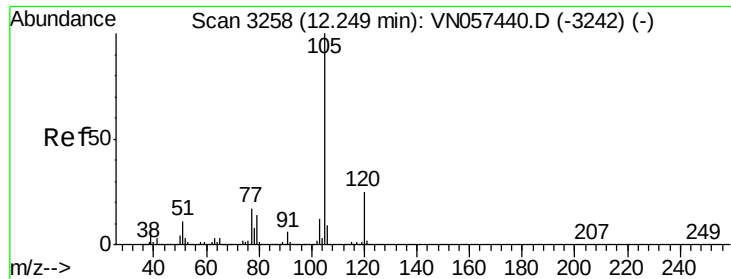
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.0	96.0
150	165.5	0.0	346.6





#73

Isopropylbenzene

Concen: 21.024 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS01

Tot Ion:105 Resp: 356839

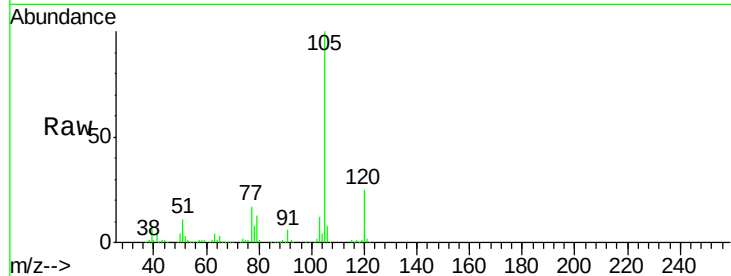
Ion Ratio Lower Upper

105 100

120 25.7 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

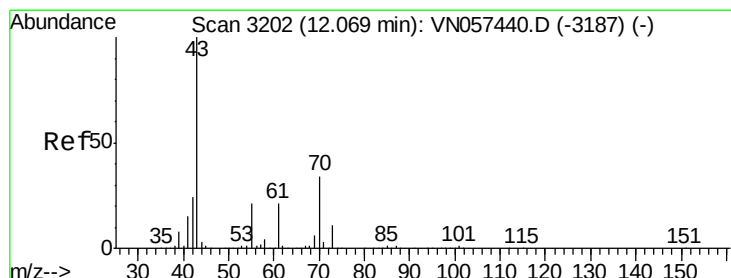
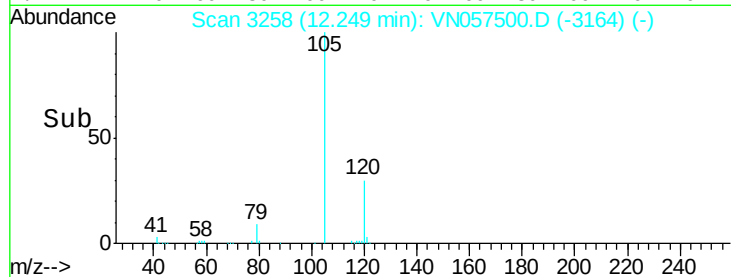
100000

50000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 21.142 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion: 43 Resp: 166451

Ion Ratio Lower Upper

43 100

70 33.7 27.8 41.6

55 20.3 17.0 25.4

61 20.8 17.0 25.6

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

150000

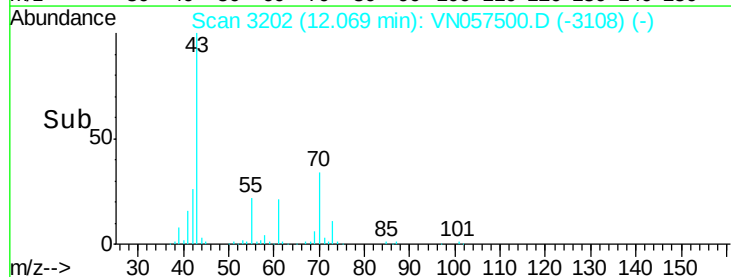
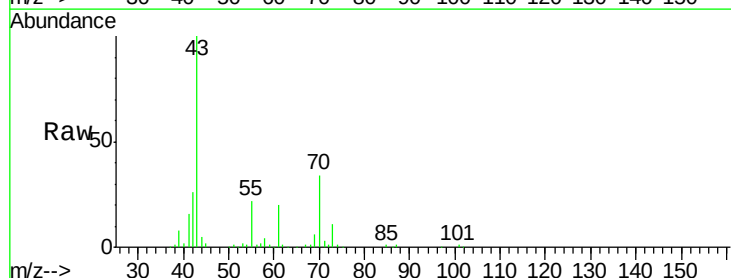
100000

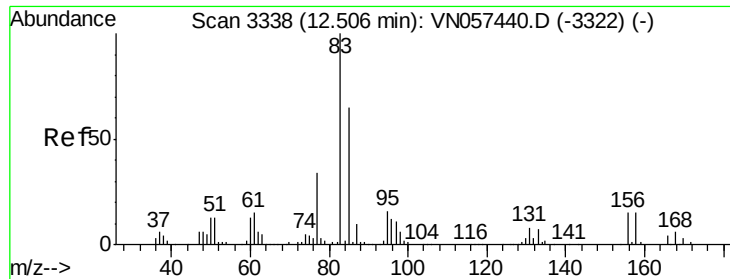
50000

0

12.00 12.07 12.20

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.409 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

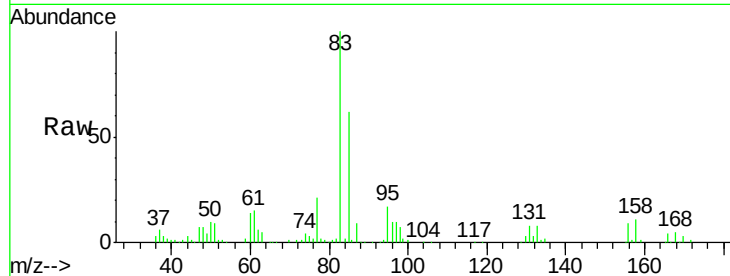
ClientSampleId :

VN0826WBS01

Tot Ion:	83	Resp:	108129
Ion Ratio	Lower	Upper	
83	100		
131	8.0	4.3	13.1
85	59.5	32.3	96.8

Manual Integrations
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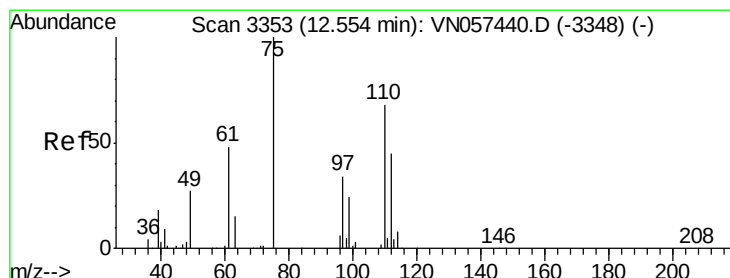
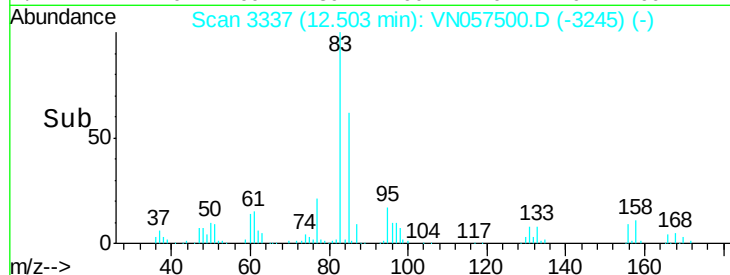


Abundance Ion 82.90 (82.60 to 83.60): VN057500.D (-3245) (-)

Ion 130.80 (130.50 to 131.50): VN057500.D (-3245) (-)

Ion 84.90 (84.60 to 85.60): VN057500.D (-3245) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 22.670 ug/l m

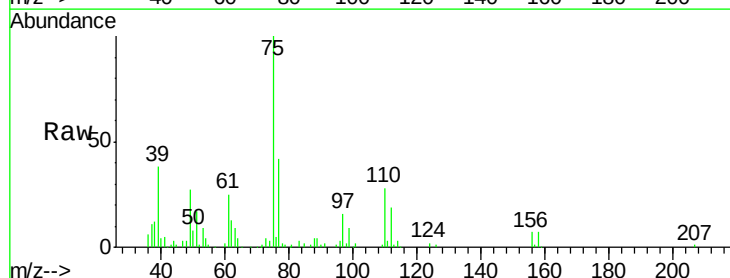
RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

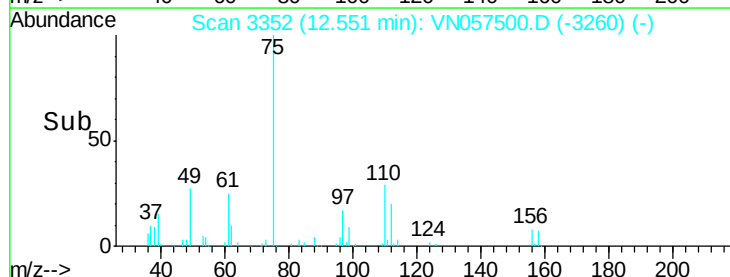
Tgt Ion:	75	Resp:	94350
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

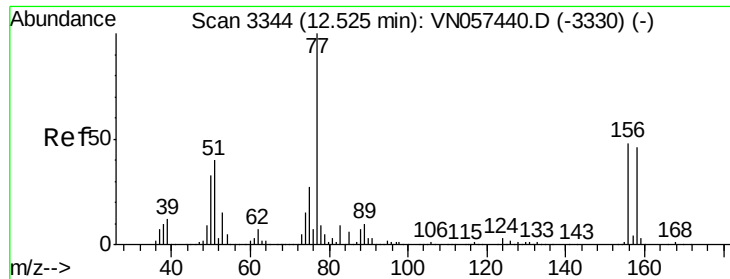


Abundance Ion 74.90 (74.60 to 75.60): VN057500.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN057500.D (-3260) (-)

Time-->





#77

Bromobenzene

Concen: 20.565 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS01

Tot Ion:156 Resp: 70749

Ion Ratio Lower Upper

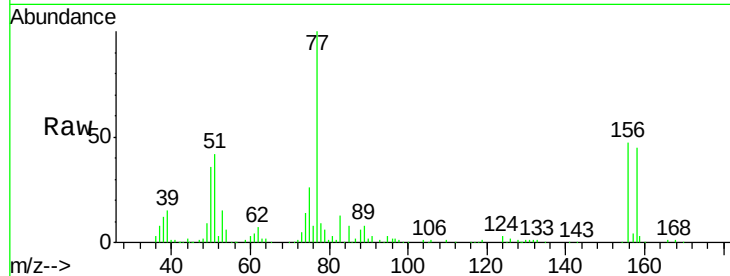
156 100

77 256.6 124.4 373.3

158 99.6 48.3 144.8

Manual Integrations
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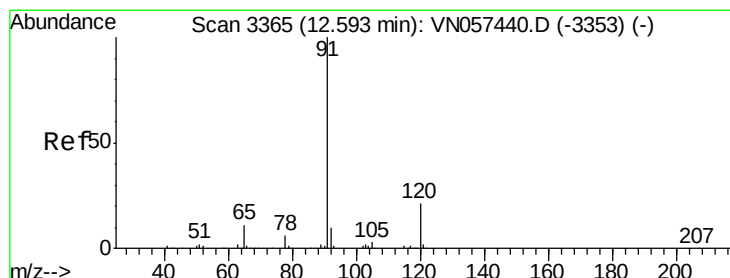
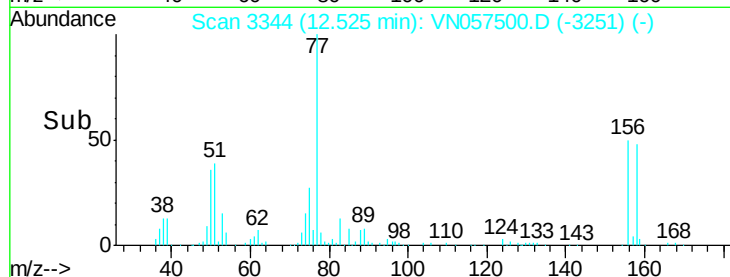
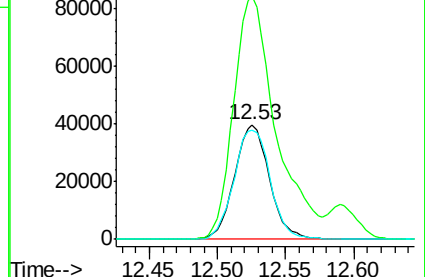
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.972 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057500.D

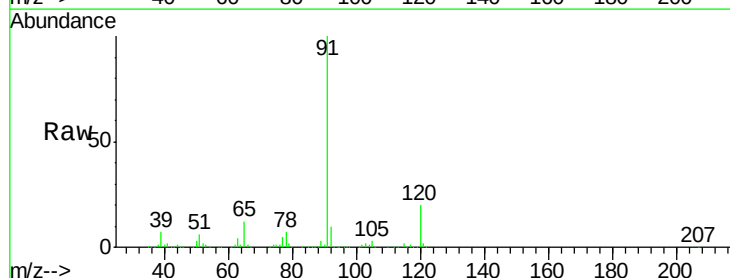
Acq: 26 Aug 2019 10:24

Tgt Ion: 91 Resp: 393097

Ion Ratio Lower Upper

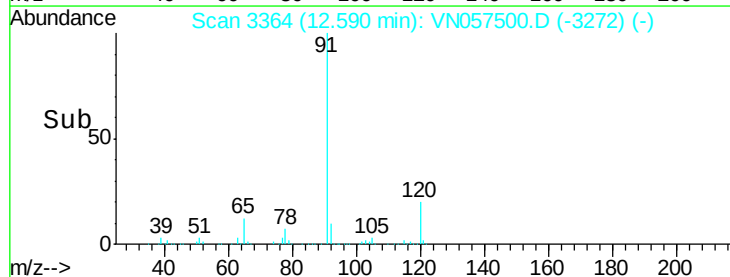
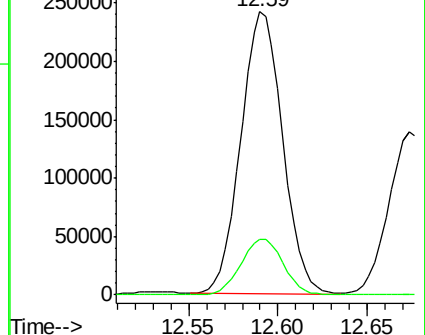
91 100

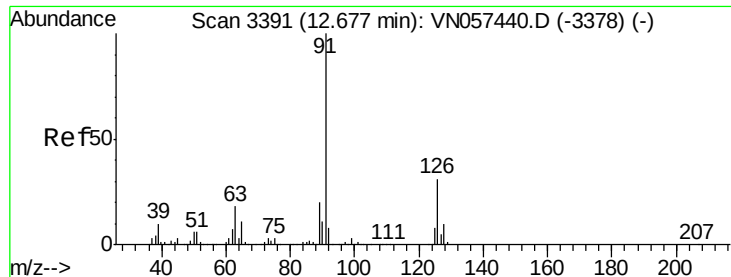
120 20.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.806 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampleId :

VN0826WBS01

Tot Ion: 91 Resp: 233281

Ion Ratio Lower Upper

91 100

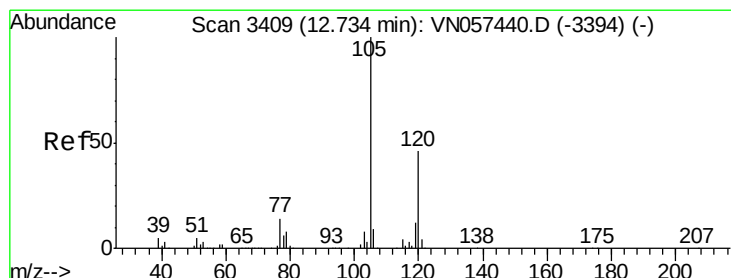
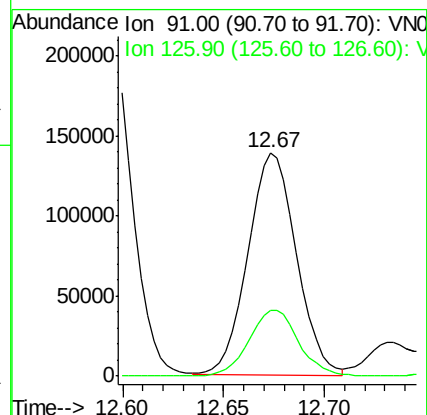
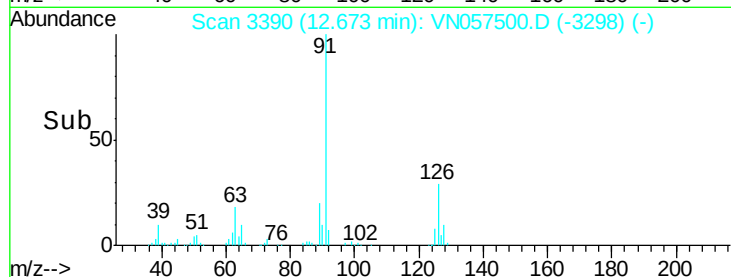
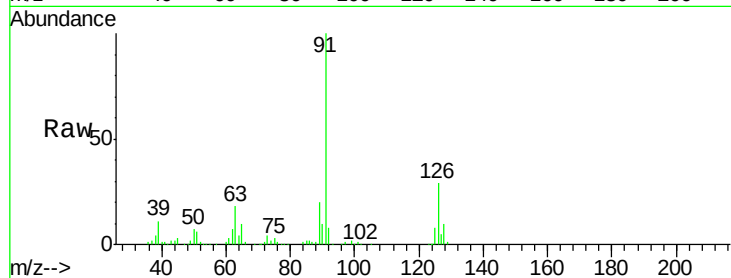
126 30.5 15.3 45.8

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#80

1,3,5-Trimethylbenzene

Concen: 20.585 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057500.D

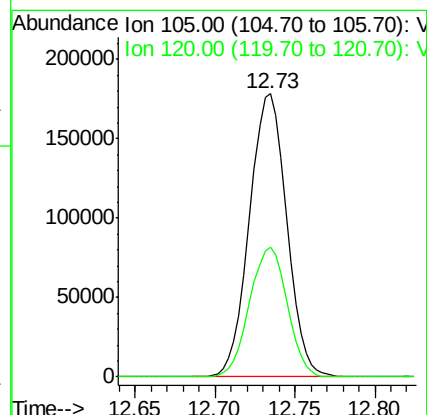
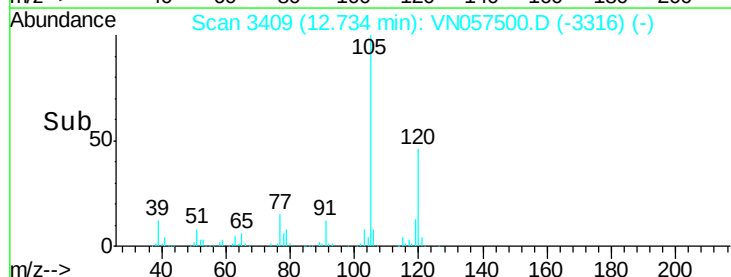
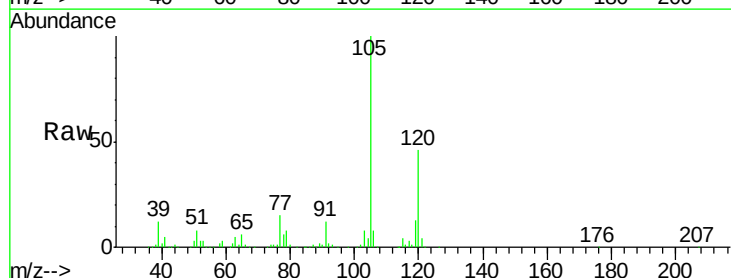
Acq: 26 Aug 2019 10:24

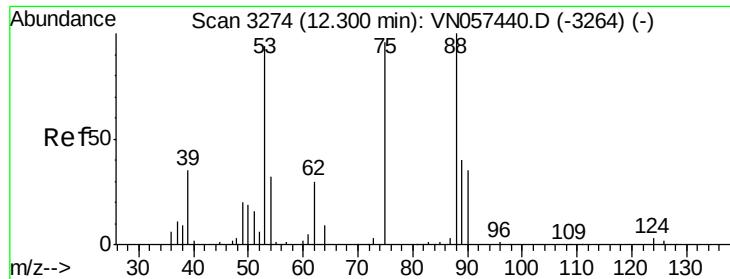
Tgt Ion: 105 Resp: 284247

Ion Ratio Lower Upper

105 100

120 46.3 23.3 69.8





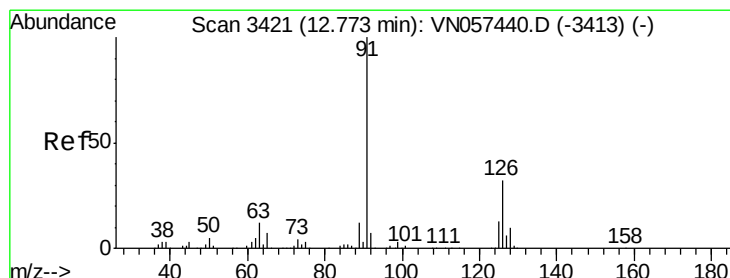
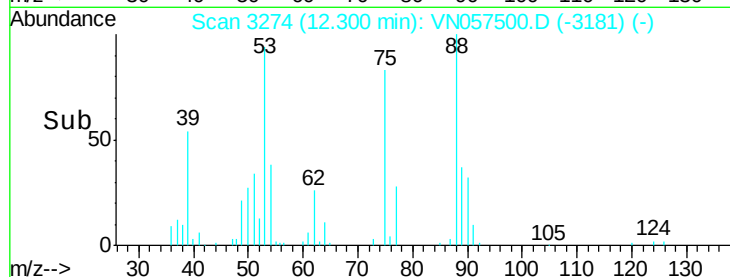
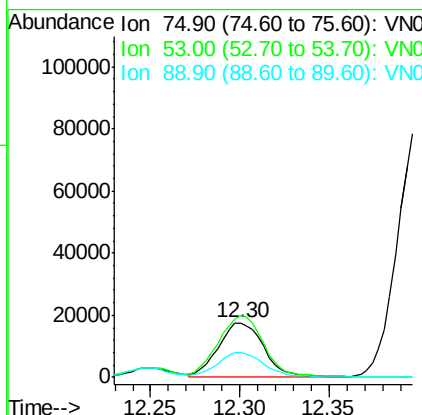
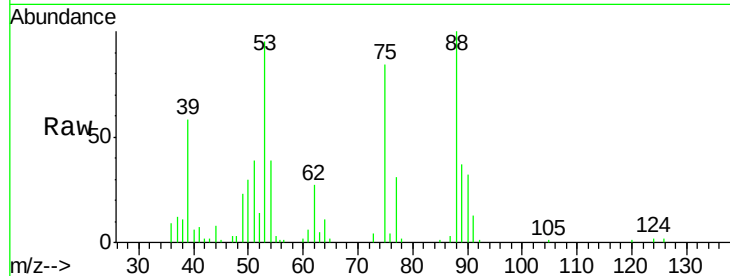
#81
trans-1,4-Dichloro-2-butene
Concen: 17.981 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Instrument :
MSVOA_N
ClientSampled :
VN0826WBS01

Tot Ion: 75 Resp: 30976
Ion Ratio Lower Upper
75 100
53 116.4 82.7 124.1
89 47.0 35.8 53.8

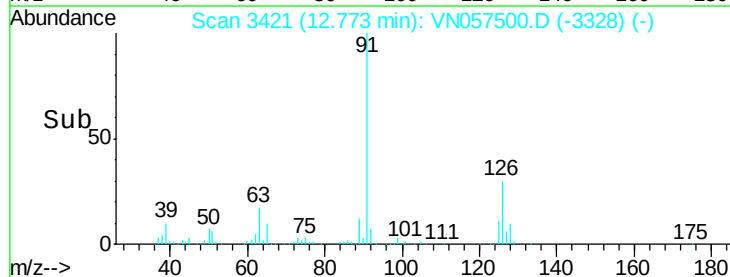
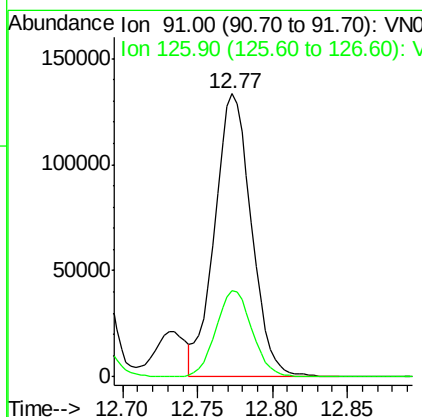
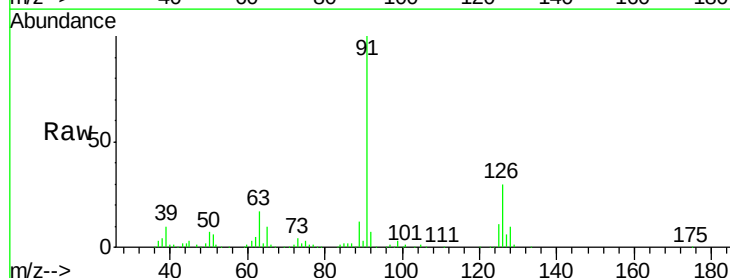
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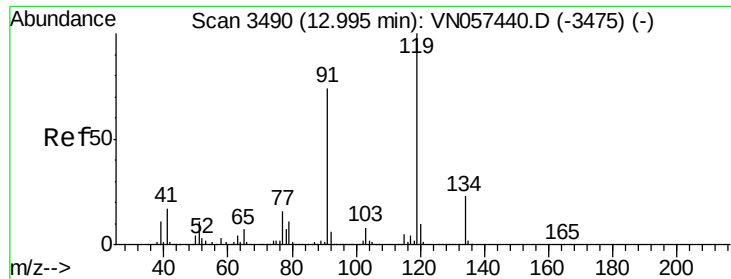
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.091 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057500.D
Acq: 26 Aug 2019 10:24

Tgt Ion: 91 Resp: 228001
Ion Ratio Lower Upper
91 100
126 30.2 15.0 45.0





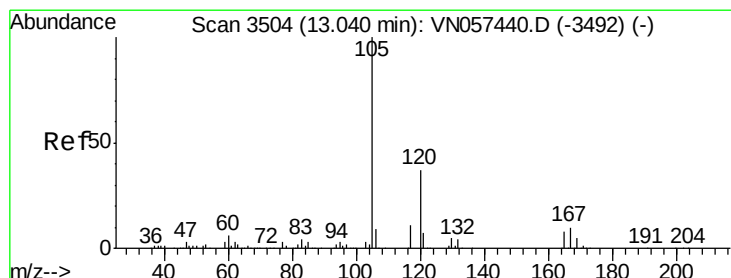
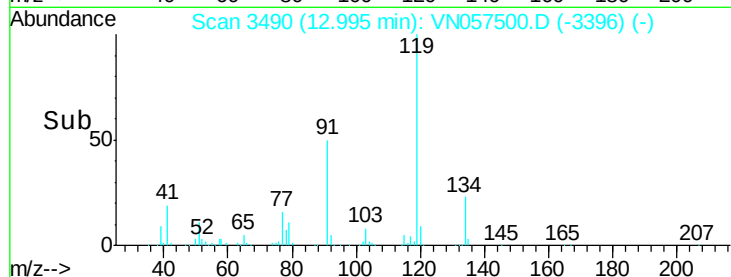
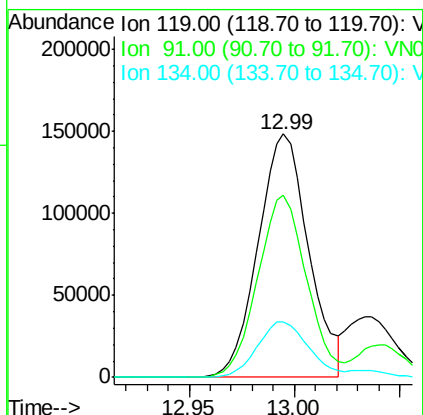
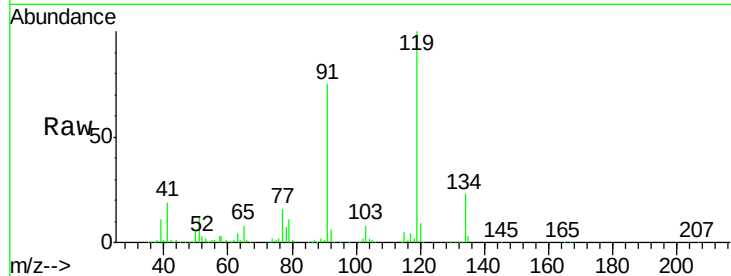
#83
 tert-Butylbenzene
 Concen: 21.124 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	246937		
91	73.0		37.0	111.0
134	23.4		12.2	36.6

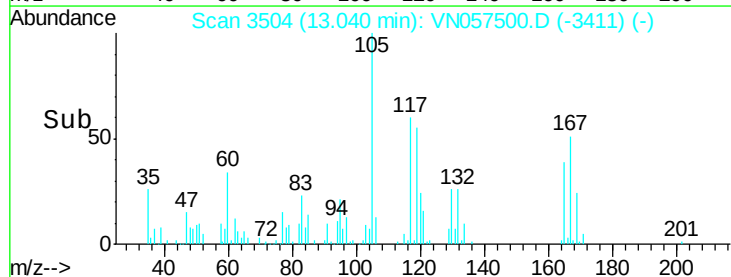
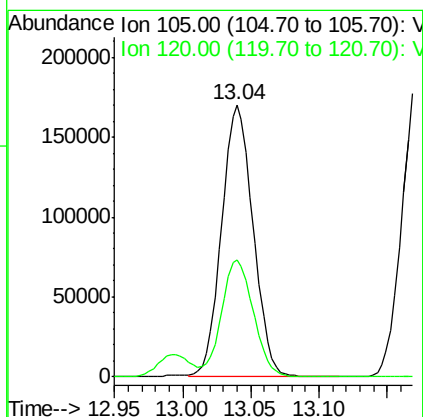
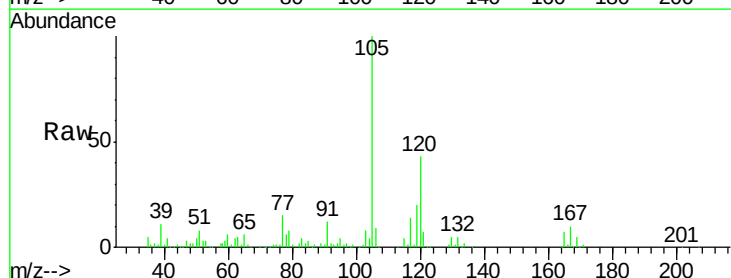
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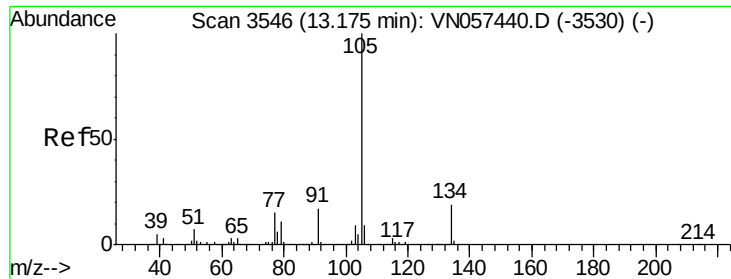
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.339 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	272741		
120	43.7		21.9	65.7





#85

sec-Butylbenzene

Concen: 20.837 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

ClientSampled :

VN0826WBS01

Tot Ion:105 Resp: 318953

Ion Ratio Lower Upper

105 100

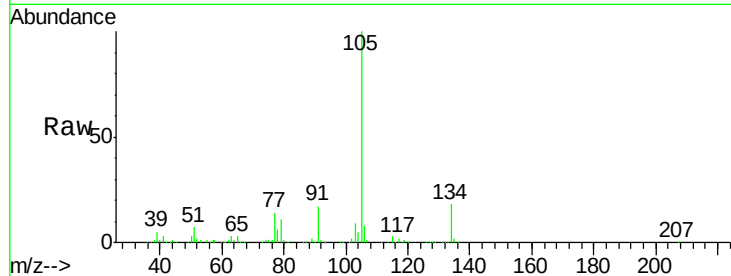
134 17.9 9.3 27.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

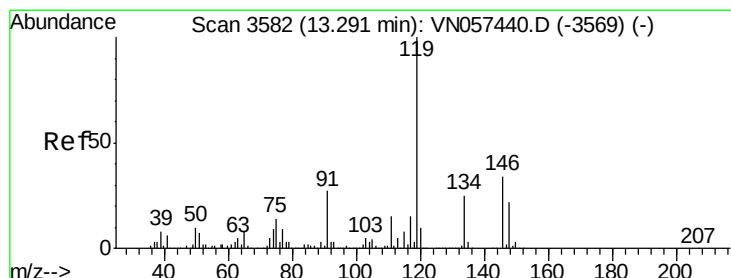
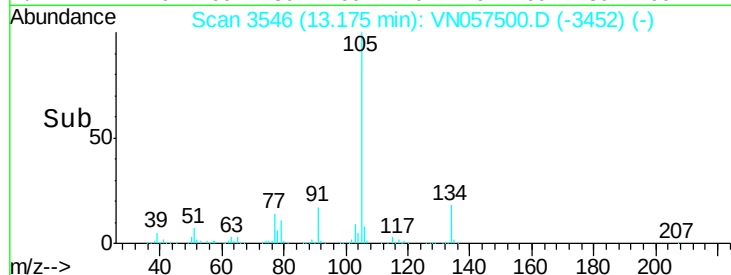
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.850 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

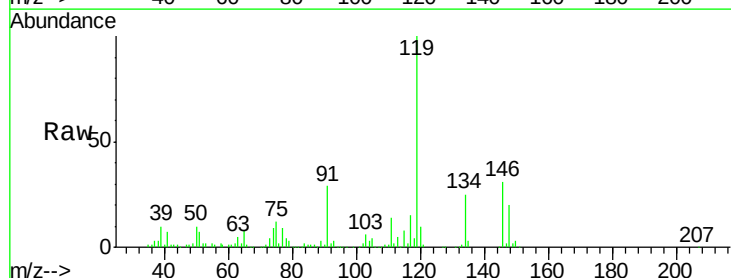
Tgt Ion:119 Resp: 267632

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

91 27.4 13.9 41.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

200000

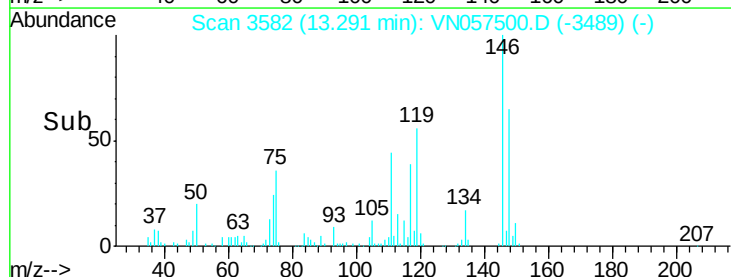
150000

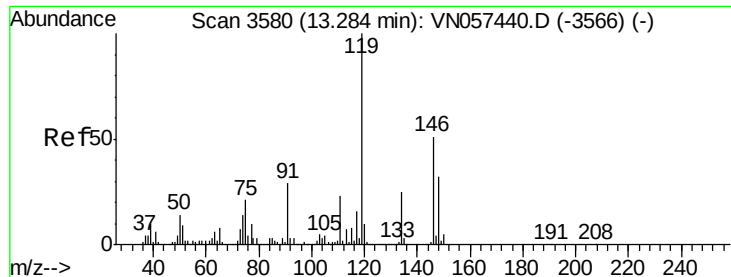
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





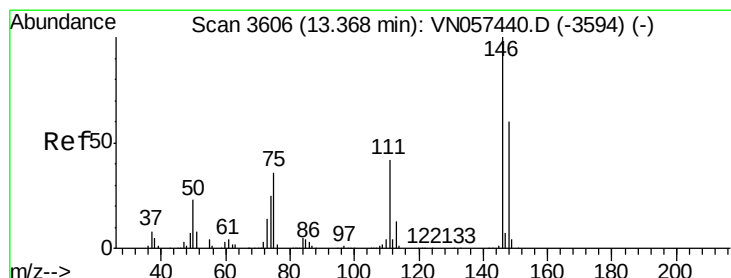
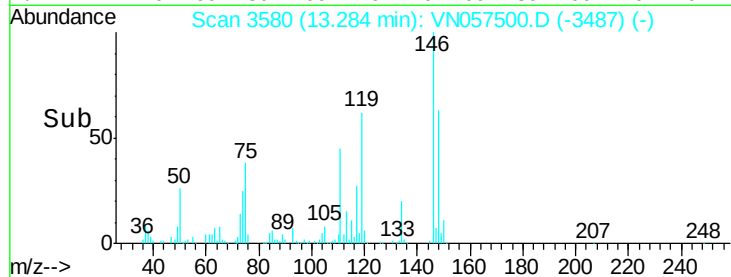
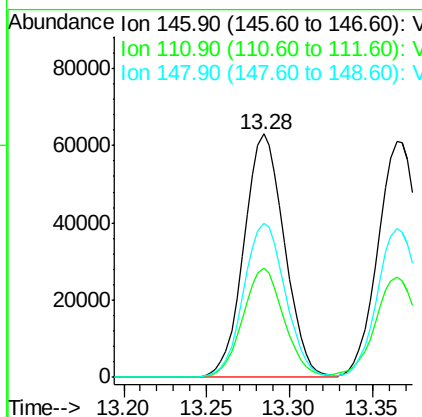
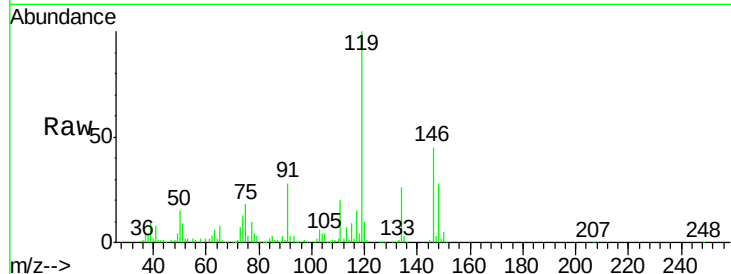
#87
 1,3-Dichlorobenzene
 Concen: 19.205 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.3	22.1	66.1
148	65.5	31.9	95.9

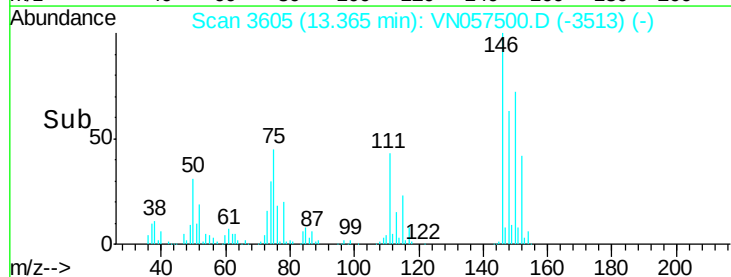
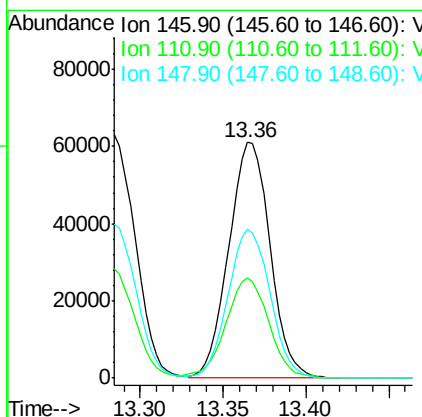
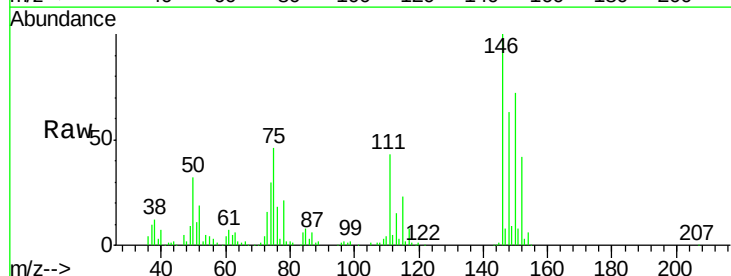
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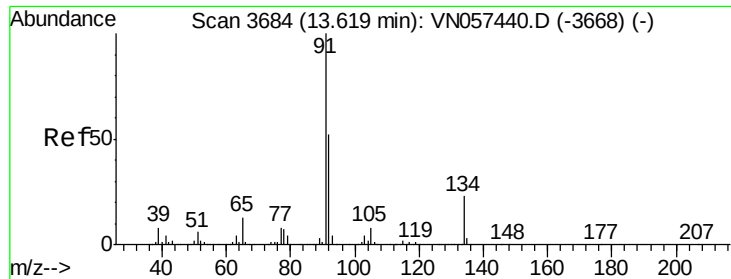
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 19.428 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.9	65.5
148	64.1	31.1	93.2





#89

n-Butylbenzene

Concen: 20.014 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

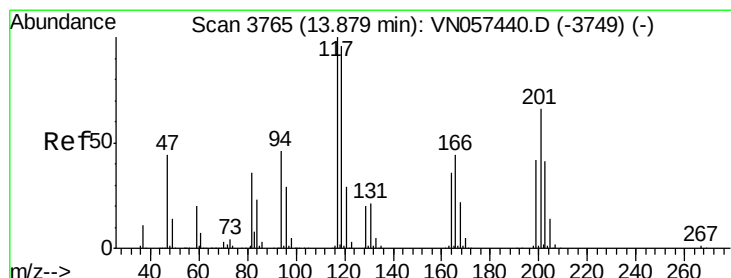
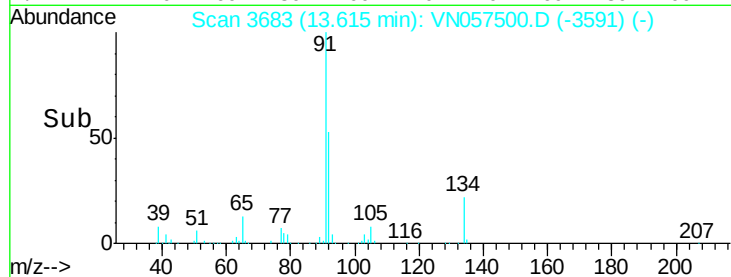
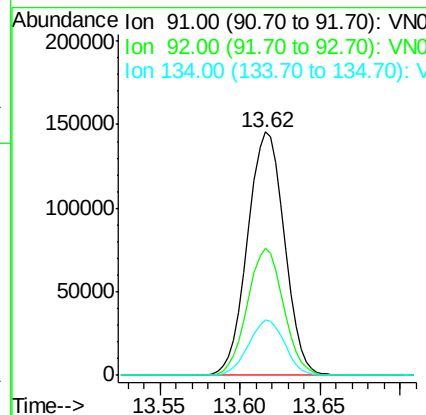
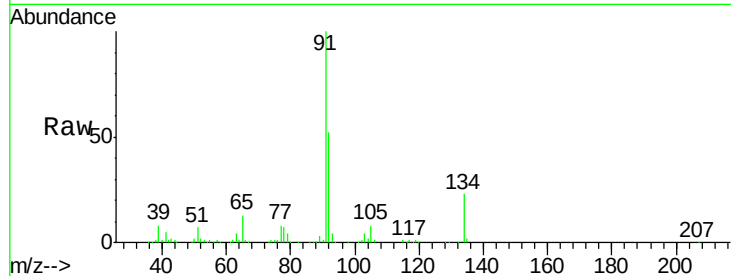
ClientSampleId :

VN0826WBS01

Tot Ion:	91	Resp:	228351
Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.7	77.0
134	22.3	11.4	34.1

Manual Integrations
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#90

Hexachloroethane

Concen: 18.937 ug/l

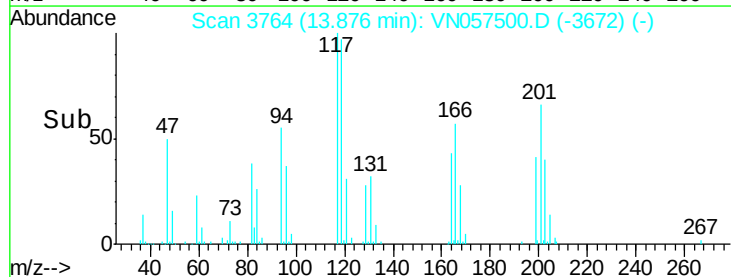
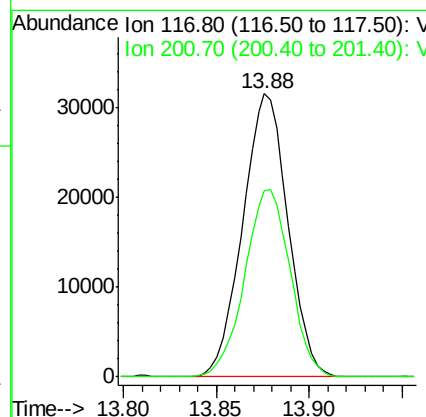
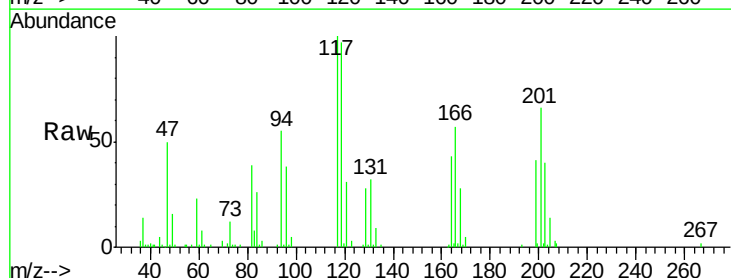
RT: 13.88 min Scan# 3764

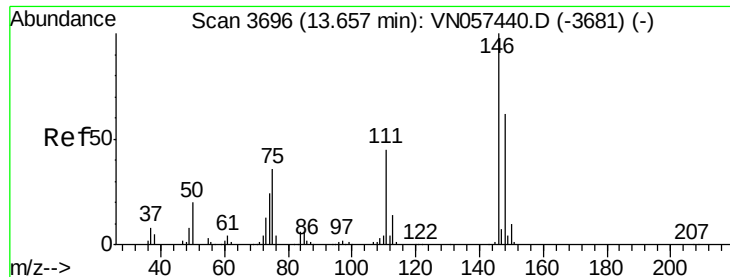
Delta R.T. -0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	117	Resp:	53338
Ion	Ratio	Lower	Upper
117	100		
201	66.5	33.1	99.3





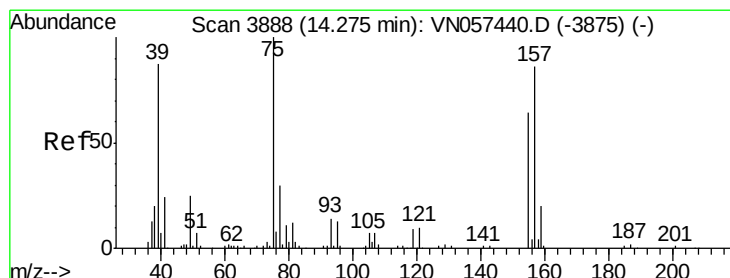
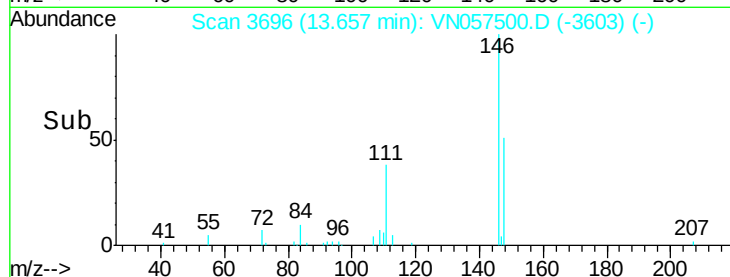
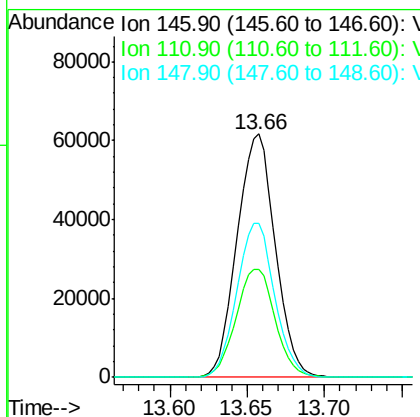
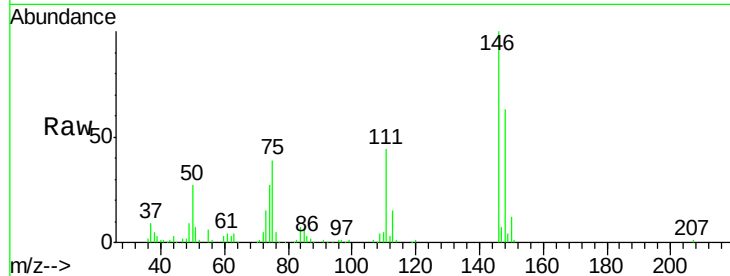
#91
 1,2-Dichlorobenzene
 Concen: 19.939 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.5	23.1	69.2
148	62.6	31.8	95.4

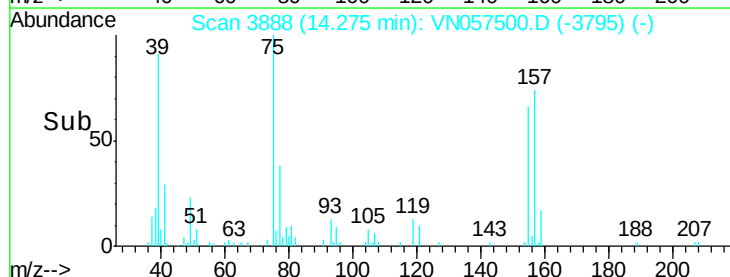
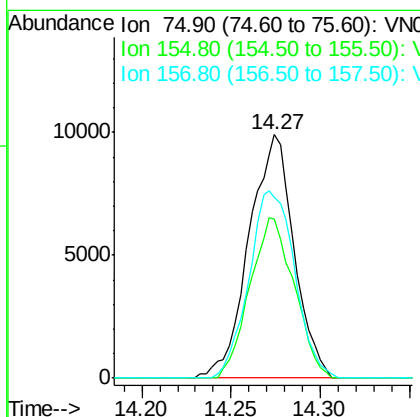
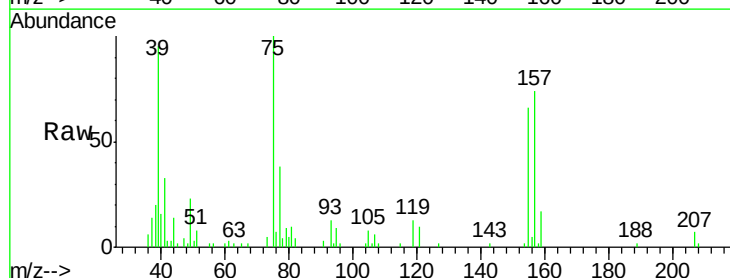
Manual Integrations
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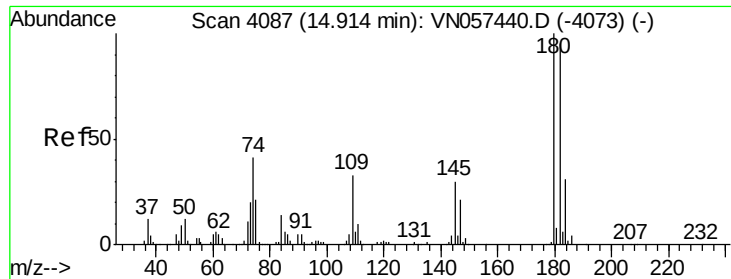
MMDadoda
 8/27/2019 5:30:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.855 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.9	31.6	94.7
157	78.5	43.3	129.8





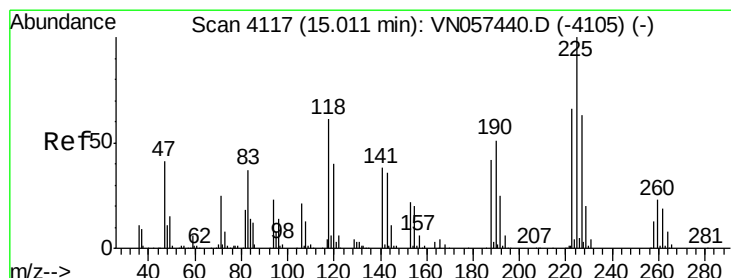
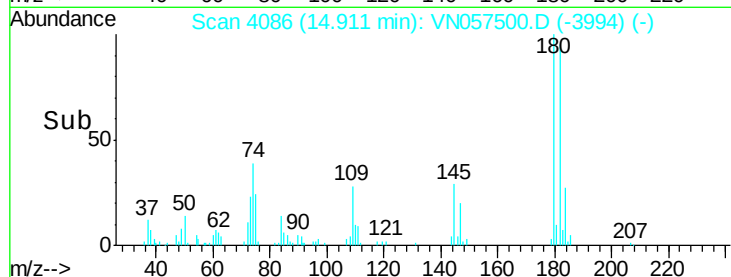
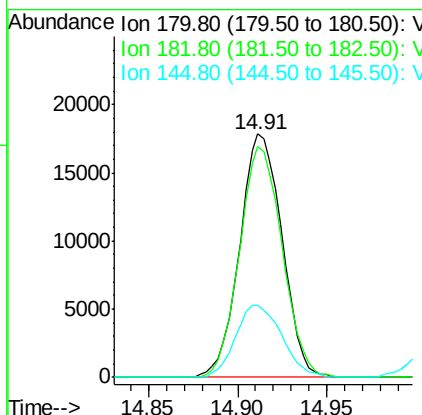
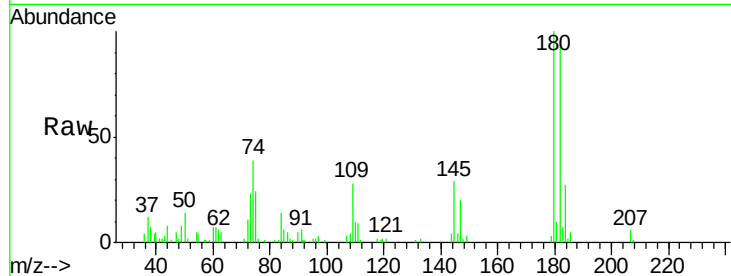
#93
 1,2,4-Trichlorobenzene
 Concen: 17.611 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0826WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.7	140.1
145	32.2	15.6	46.8

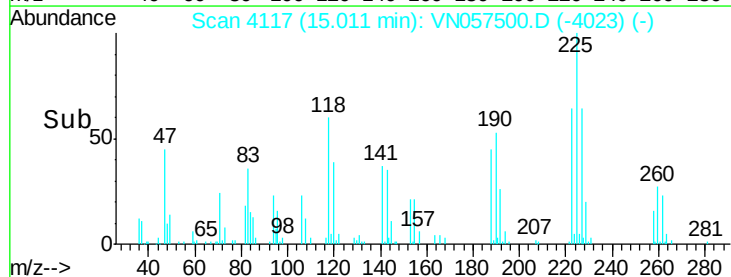
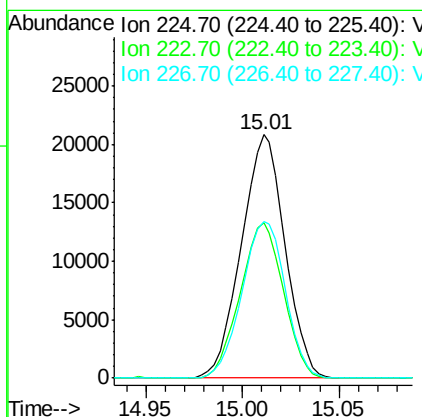
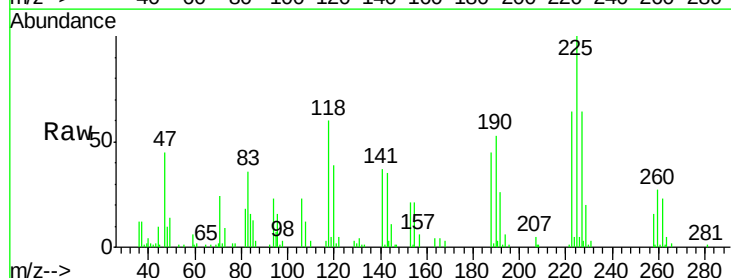
Manual Integrations
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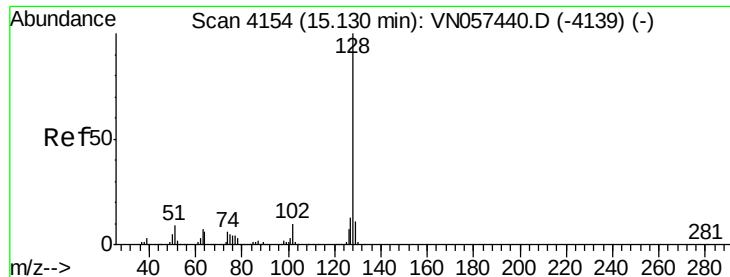
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 22.324 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057500.D
 Acq: 26 Aug 2019 10:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	32.0	96.2
227	63.8	31.5	94.5





#95

Naphthalene

Concen: 17.506 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Instrument :

MSVOA_N

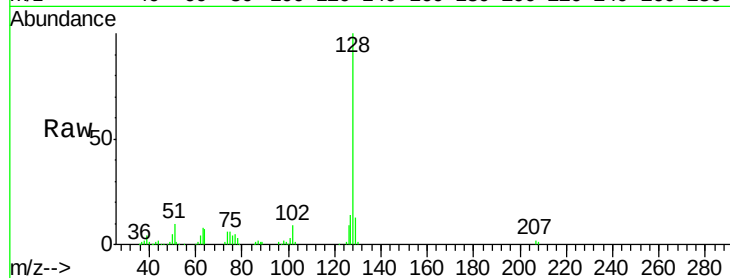
ClientSampleId :

VN0826WBS01

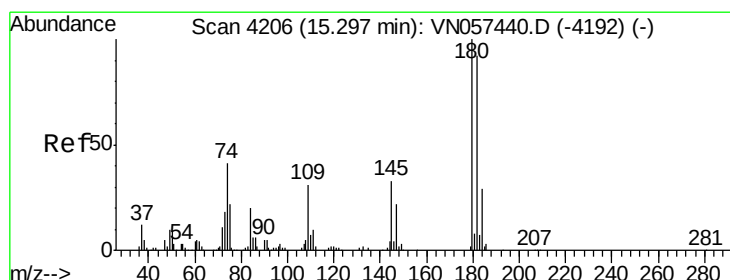
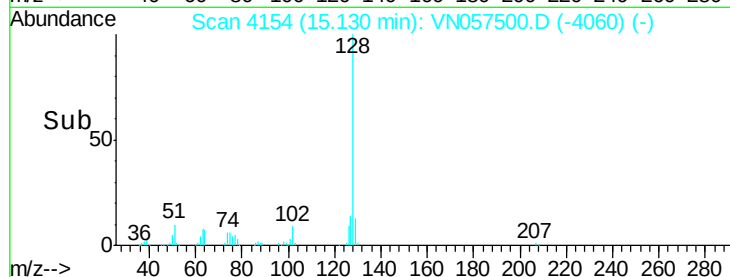
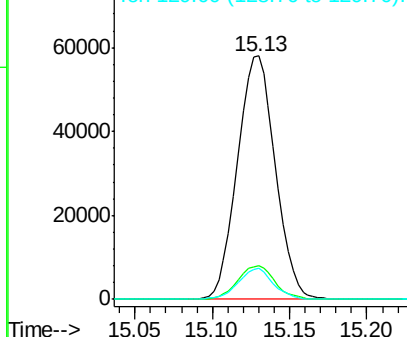
Tot Ion:	128	Resp:	98931
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.5	15.7
129	11.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
8/27/2019 5:30:22 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.590 ug/l

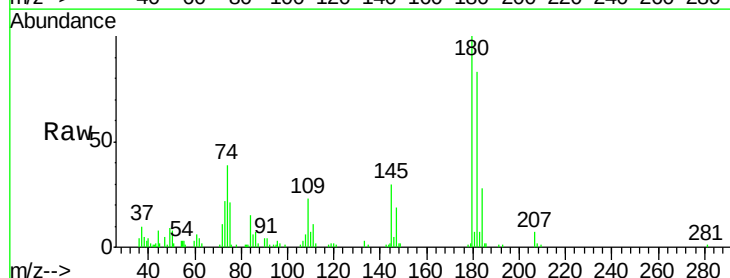
RT: 15.30 min Scan# 4207

Delta R.T. 0.00 min

Lab File: VN057500.D

Acq: 26 Aug 2019 10:24

Tgt Ion:	180	Resp:	32275
Ion Ratio	Lower	Upper	
180	100		
182	92.0	46.7	140.1
145	32.3	16.8	50.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

