

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057794.D
 Acq On : 9 Sep 2019 12:08
 Operator : JC/SP
 Sample : VN0909WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:05:00 AM

Quant Time: Sep 09 12:39:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Sep 09 12:14:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	70144	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	421794	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	369263	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	184393	29.72	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.07%
60) 4-Bromofluorobenzene	12.40	95	184908	29.26	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.53%
63) Toluene-d8	10.08	98	543320	30.65	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.17%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	85050	20.068	ug/l 99
3) Chloromethane	2.03	50	108735	20.576	ug/l 97
4) Vinyl Chloride	2.16	62	111606	20.642	ug/l 97
5) Bromomethane	2.54	94	69519	20.603	ug/l 91
6) Chloroethane	2.68	64	70888	21.097	ug/l 98
7) Trichlorofluoromethane	2.99	101	128474	20.568	ug/l 98
8) Diethyl Ether	3.39	74	52140	20.691	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	81356	20.858	ug/l 99
10) 1,1-Dichloroethene	3.72	96	75134	20.257	ug/l 93
11) Methyl Iodide	3.93	142	95820	19.309	ug/l 98
12) Methyl Acetate	4.31	43	100048	19.656	ug/l 93
13) Acrolein	3.59	56	23584	85.397	ug/l 100
14) Acrylonitrile	4.96	53	208391	100.430	ug/l # 91
15) Acetone	3.80	58	59052	100.244	ug/l 93
16) Carbon Disulfide	4.03	76	163170	18.892	ug/l 98
17) Allyl chloride	4.30	41	133186	19.597	ug/l 93
18) Methylene Chloride	4.53	84	93487	20.002	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	83637	20.232	ug/l 90
20) Diisopropyl ether	5.93	45	317603	19.989	ug/l 98
21) 1,1-Dichloroethane	5.83	63	174163	19.879	ug/l 98
22) cis-1,2-Dichloroethene	6.81	96	103566	20.447	ug/l 97
23) tert-Butyl Alcohol	4.77	59	69324	102.339	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	282985	19.906	ug/l # 100
25) Chloroform	7.36	83	176939	19.838	ug/l 99
26) Cyclohexane	7.64	56	142612	19.374	ug/l # 100
29) 1,1-Dichloropropene	7.78	75	129284	19.484	ug/l 99
30) 2-Butanone	6.82	43	300090	100.302	ug/l 100
31) 2,2-Dichloropropane	6.81	77	132038	18.848	ug/l 98
32) 1,1,1-Trichloroethane	7.55	97	140738	18.865	ug/l 98
33) Carbon Tetrachloride	7.76	117	115930	19.049	ug/l 98
34) Benzene	8.03	78	387277	19.698	ug/l 99
35) Methacrylonitrile	7.16	41	52765	19.014	ug/l 96
36) 1,2-Dichloroethane	8.11	62	148220	19.427	ug/l 99
37) Trichloroethene	8.83	130	92962	19.467	ug/l 98
38) Methylcyclohexane	9.07	83	142195	18.820	ug/l 98
39) 1,2-Dichloropropane	9.11	63	107562	19.481	ug/l 98
40) Dibromomethane	9.20	93	65972	19.645	ug/l 97

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	128503	18.980	ug/l	94
42) Vinyl Acetate	5.87	43	1259919	104.778	ug/l	99
43) Ethyl Acetate	6.91	43	115323	18.893	ug/l #	82
44) Isopropyl Acetate	8.15	43	204243	19.191	ug/l #	92
45) 1,4-Dioxane	9.19	88	33113	395.942	ug/l	97
46) Methyl methacrylate	9.19	41	101654	19.553	ug/l	95
47) n-amyl Acetate	12.07	43	179098	18.319	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	129974	18.032	ug/l	100
49) cis-1,3-Dichloropropene	9.83	75	146935	18.169	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	93602	19.215	ug/l	98
51) Ethyl methacrylate	10.43	69	143834	19.043	ug/l	100
52) 1,3-Dichloropropane	10.71	76	164980	19.367	ug/l	99
53) Dibromochloromethane	10.90	129	83644	17.387	ug/l	99
54) 1,2-Dibromoethane	11.00	107	92636	19.113	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	353278	98.434	ug/l	99
56) Bromoform	12.13	173	50175	16.836	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	628818	109.809	ug/l	99
59) 2-Hexanone	10.75	43	452996	105.415	ug/l	99
61) Tetrachloroethene	10.63	164	75790	20.187	ug/l	97
62) Toluene	10.15	91	418795	20.482	ug/l	98
64) Chlorobenzene	11.43	112	253299	19.970	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	85851	19.494	ug/l	99
66) Ethyl Benzene	11.51	91	468835	21.010	ug/l	98
67) m/p-Xylenes	11.62	106	340774	40.010	ug/l	100
68) o-Xylene	11.95	106	166270	19.927	ug/l	97
69) Styrene	11.96	104	280364	19.707	ug/l	99
70) Isopropylbenzene	12.25	105	456645	20.701	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	139608	20.250	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	120744m	19.733	ug/l	
73) Bromobenzene	12.53	156	104135	19.718	ug/l	96
74) n-propylbenzene	12.59	91	531280	21.080	ug/l	100
75) 2-Chlorotoluene	12.68	91	313973	20.001	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	380748	20.270	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	30105	16.584	ug/l	99
78) 4-Chlorotoluene	12.78	91	316372	19.758	ug/l	99
79) tert-butylbenzene	13.00	119	327176	19.965	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	376442	20.113	ug/l	98
81) sec-Butylbenzene	13.17	105	442710	20.361	ug/l	100
82) p-Isopropyltoluene	13.29	119	393165	20.192	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	189188	19.273	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	183237	18.960	ug/l	97
85) n-Butylbenzene	13.62	91	356573	19.649	ug/l	98
86) Hexachloroethane	13.88	117	54028	17.420	ug/l	98
87) 1,2-Dichlorobenzene	13.66	146	188206	19.751	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.28	75	22751	18.743	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	110784	19.032	ug/l	97
90) Hexachlorobutadiene	15.01	225	52427	19.612	ug/l	98
91) Naphthalene	15.13	128	315204	19.681	ug/l	98
92) 1,2,3-Trichlorobenzene	15.30	180	105566	19.017	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

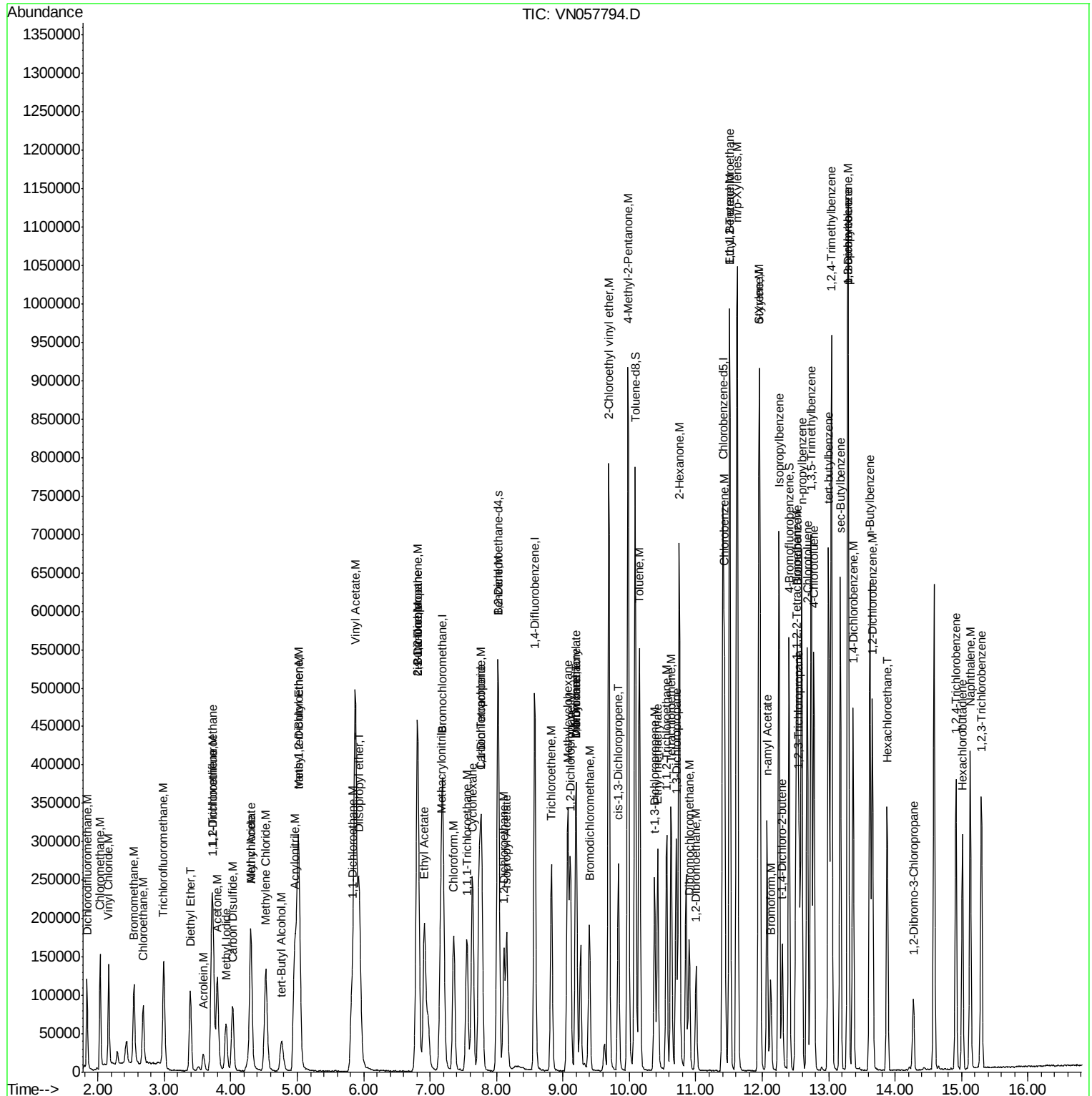
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
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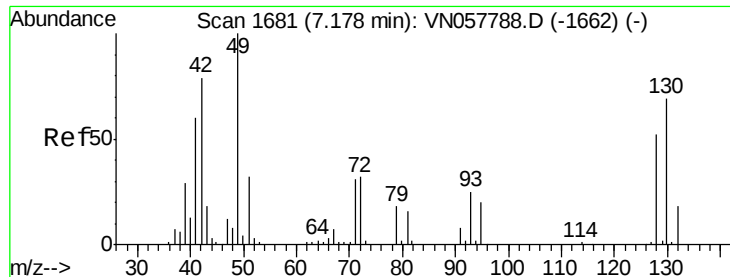
Instrument :
MSVOA_N
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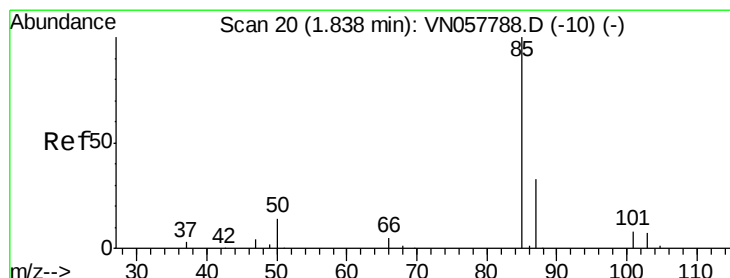
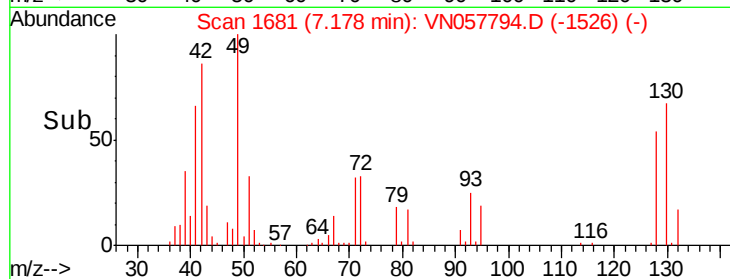
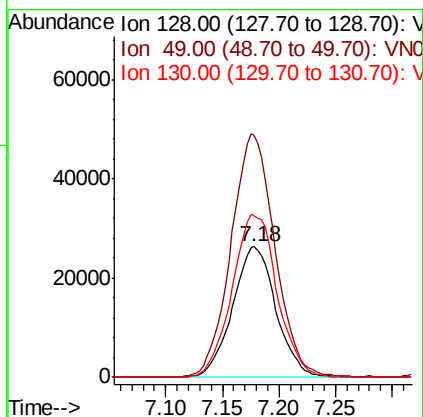
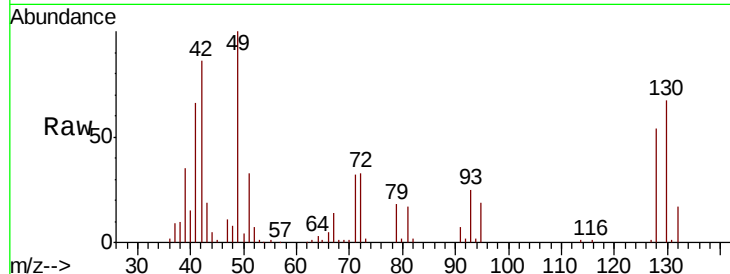
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
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VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
49	188.3	0.0	486.5
130	129.5	0.0	324.5

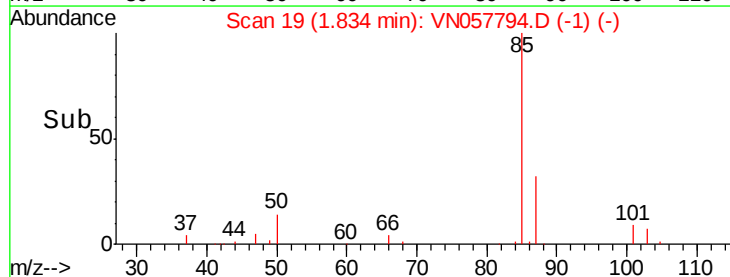
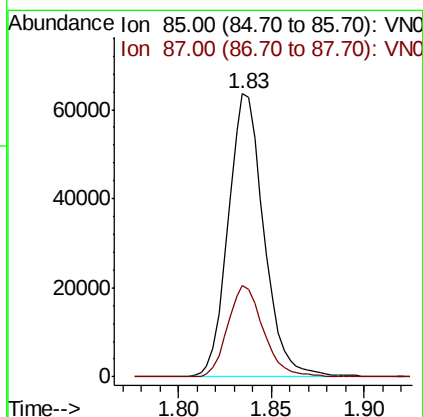
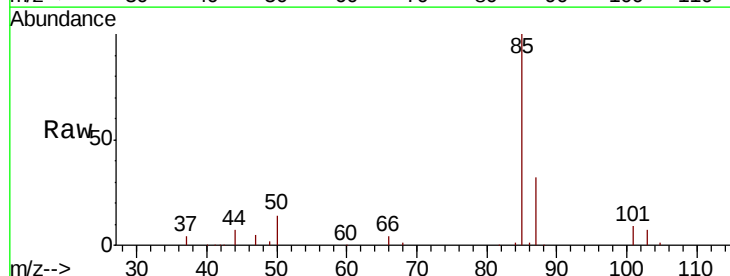
Manual Integrations
APPROVED

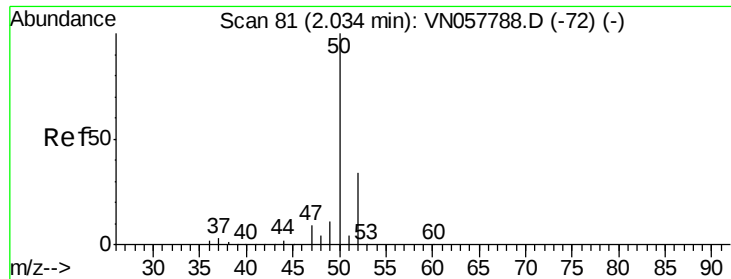
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#2
Dichlorodifluoromethane
Concen: 20.068 ug/l
RT: 1.83 min Scan# 19
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.4	49.4





#3

Chloromethane

Concen: 20.576 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tgt Ion: 50 Resp: 108735

Ion Ratio Lower Upper

50 100

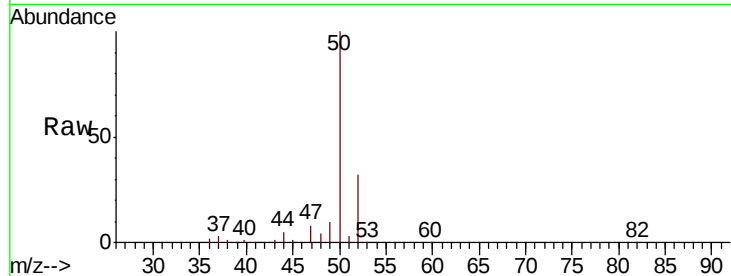
52 31.7 26.9 40.3

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

2.03

80000

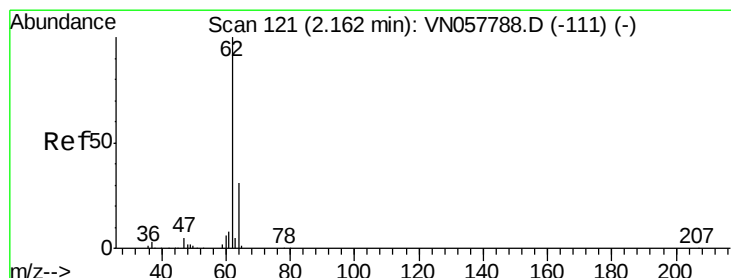
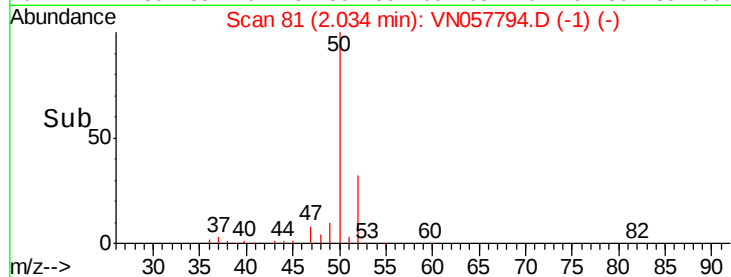
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 20.642 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057794.D

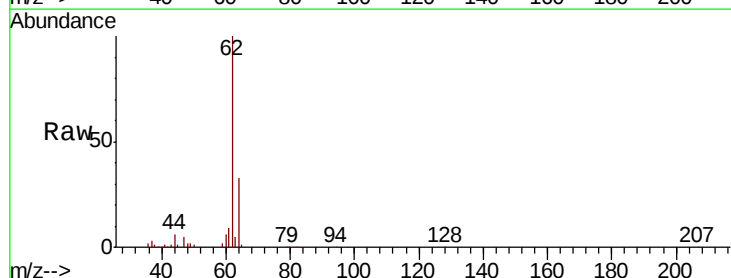
Acq: 9 Sep 2019 12:08

Tgt Ion: 62 Resp: 111606

Ion Ratio Lower Upper

62 100

64 32.7 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0

2.16

80000

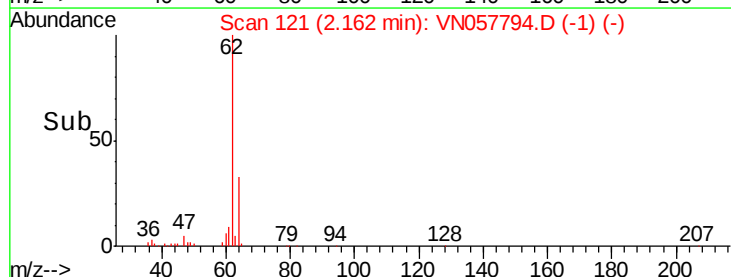
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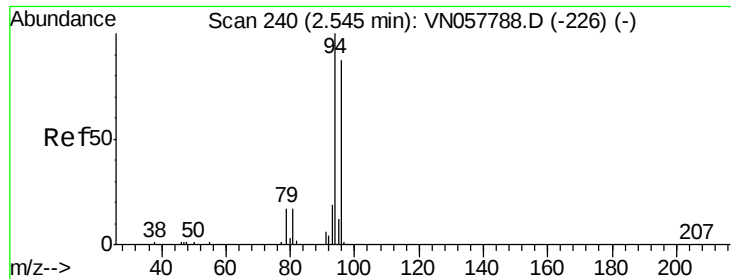
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20000

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Time-->





#5

Bromomethane

Concen: 20.603 ug/l

RT: 2.54 min Scan# 239

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tgt Ion: 94 Resp: 69519

Ion Ratio Lower Upper

94 100

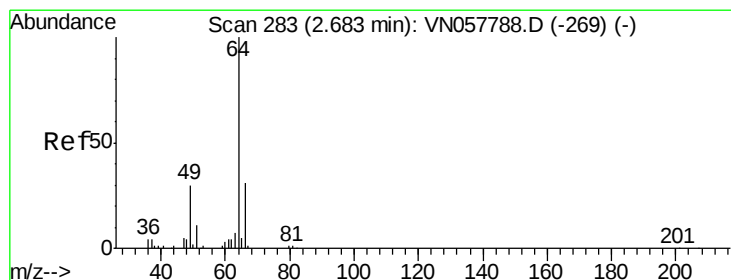
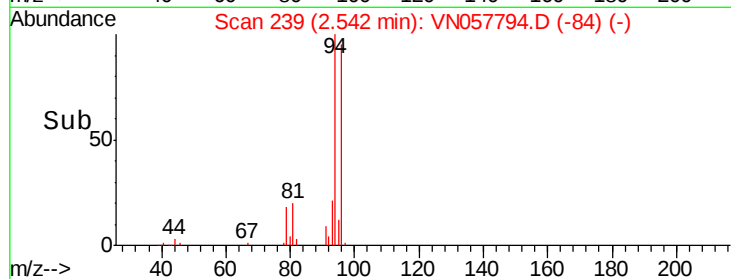
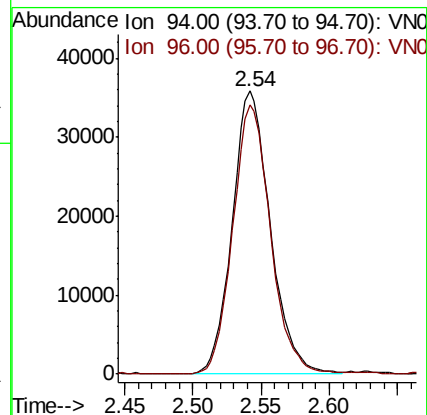
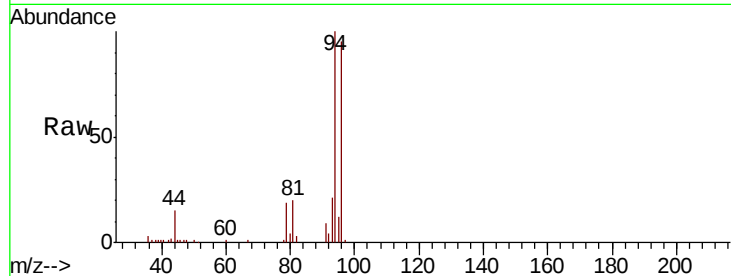
96 95.0 69.2 103.8

Manual Integrations

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#6

Chloroethane

Concen: 21.097 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN057794.D

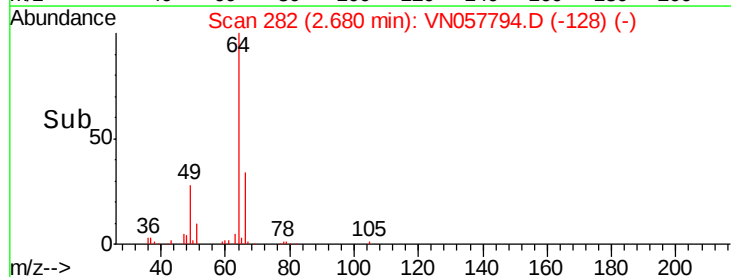
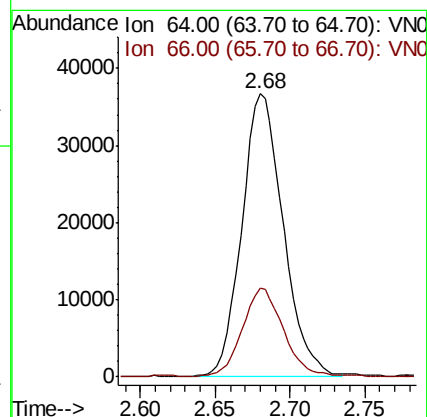
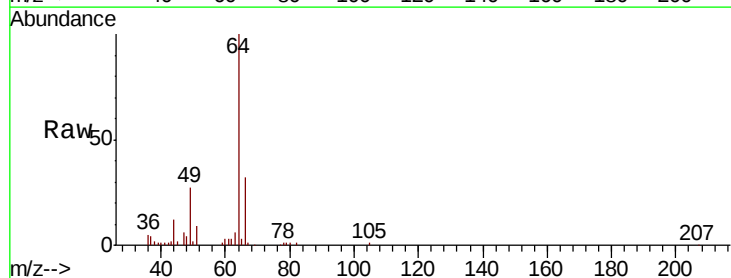
Acq: 9 Sep 2019 12:08

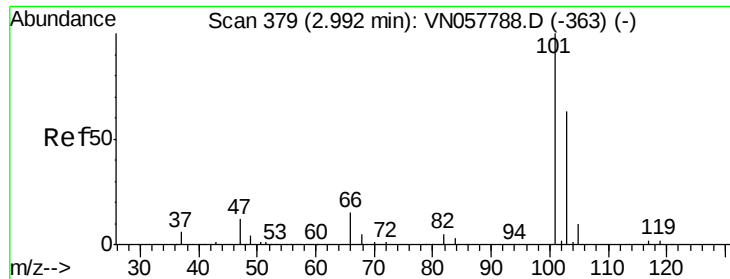
Tgt Ion: 64 Resp: 70888

Ion Ratio Lower Upper

64 100

66 31.6 24.4 36.6





#7

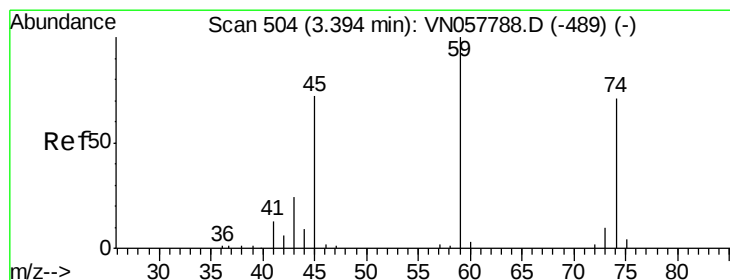
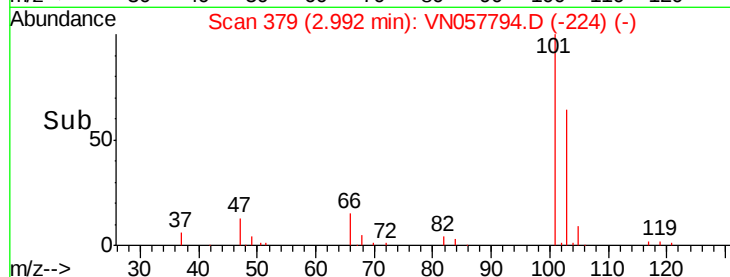
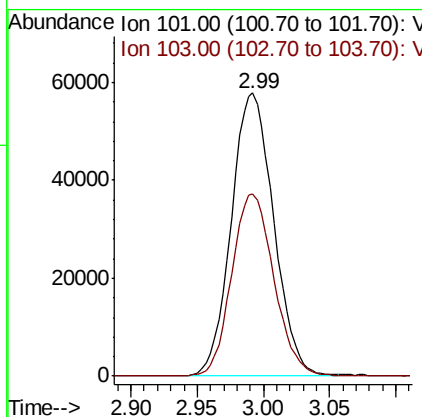
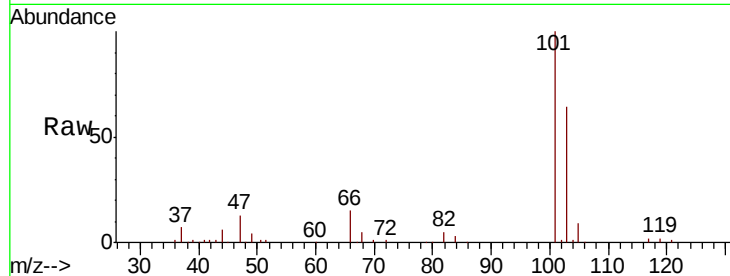
Trichlorofluoromethane
 Concen: 20.568 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion: 101 Resp: 128474
 Ion Ratio Lower Upper
 101 100
 103 63.9 50.2 75.2

Manual Integrations
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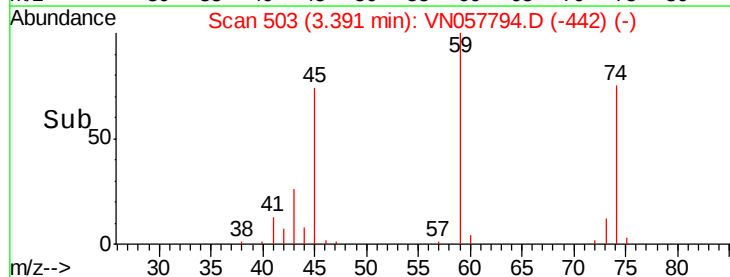
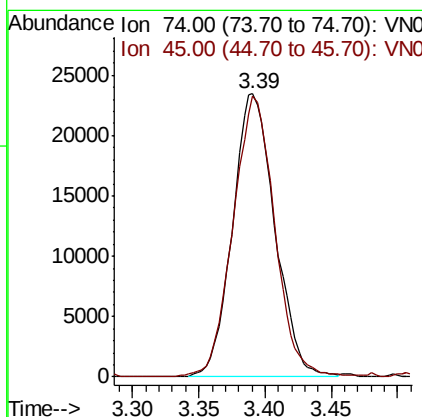
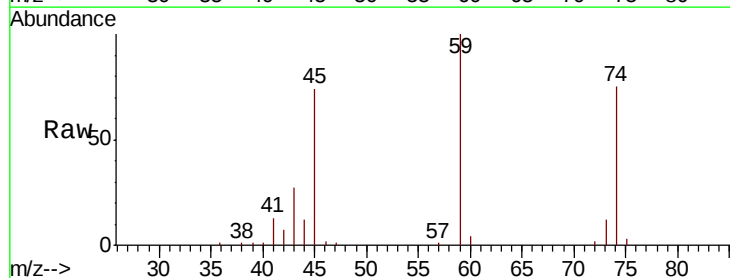
MMDadoda
 9/13/2019 11:05:00 AM

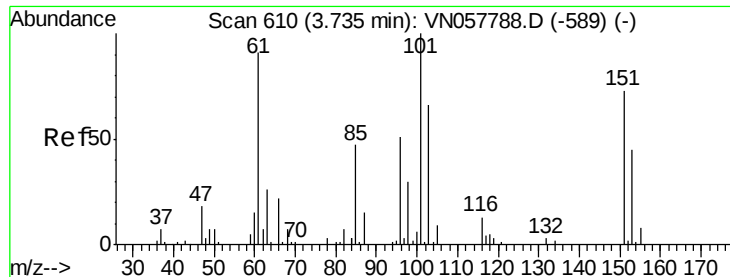


#8

Diethyl Ether
 Concen: 20.691 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion: 74 Resp: 52140
 Ion Ratio Lower Upper
 74 100
 45 97.8 20.3 182.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.858 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

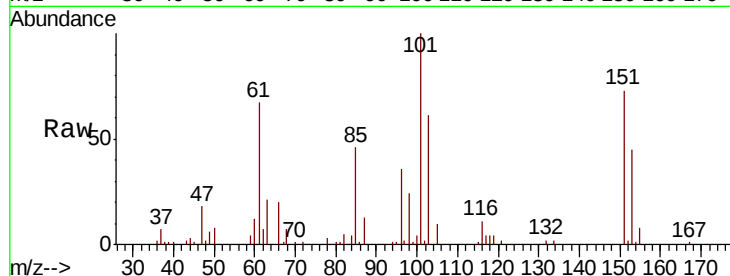
ClientSampleId :

VN0909WBS01

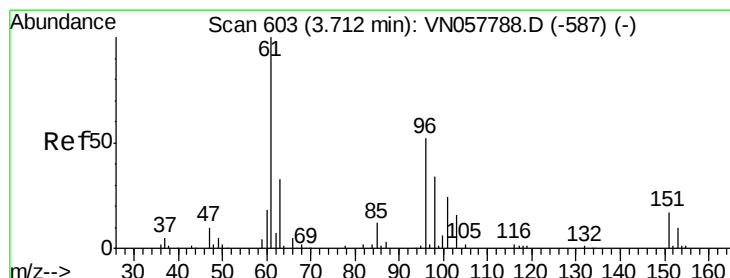
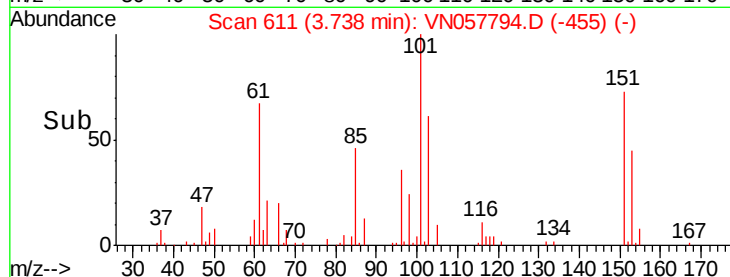
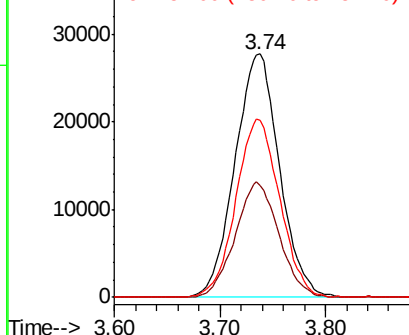
Tgt Ion:	101	Resp:	81356
Ion Ratio	Lower	Upper	
101	100		
85	46.4	0.0	94.0
151	72.0	0.0	144.4

Manual Integrations
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MMDadoda
9/13/2019 11:05:00 AM



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.257 ug/l

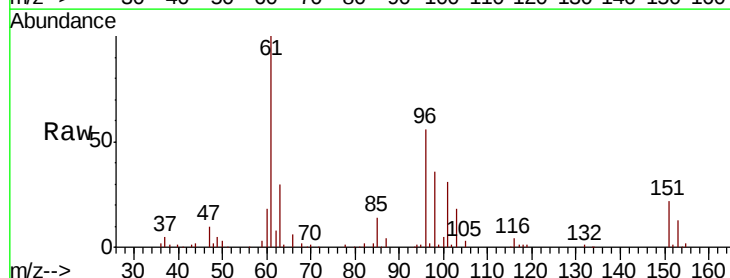
RT: 3.72 min Scan# 604

Delta R.T. 0.00 min

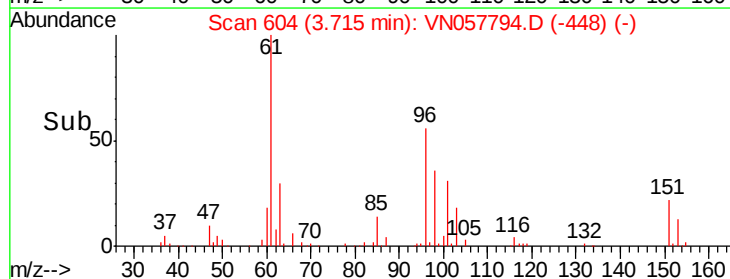
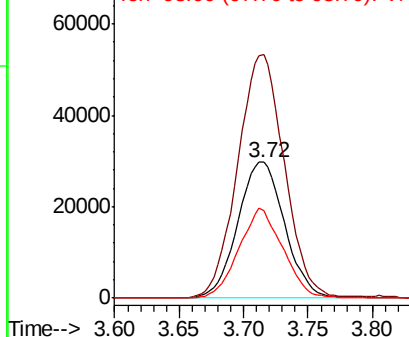
Lab File: VN057794.D

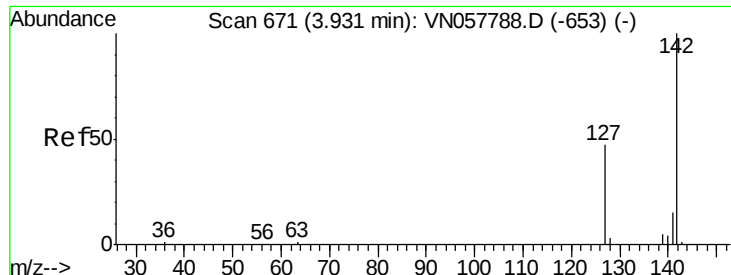
Acq: 9 Sep 2019 12:08

Tgt Ion:	96	Resp:	75134
Ion Ratio	Lower	Upper	
96	100		
61	178.6	153.4	230.0
98	64.3	51.5	77.3



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





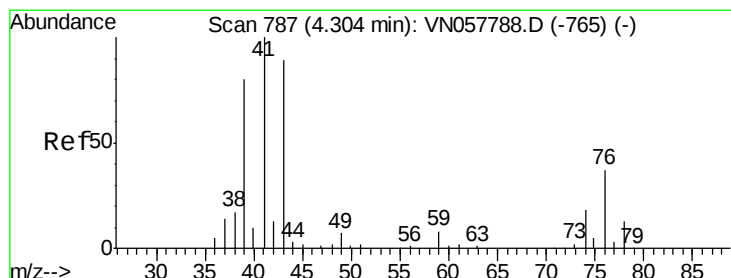
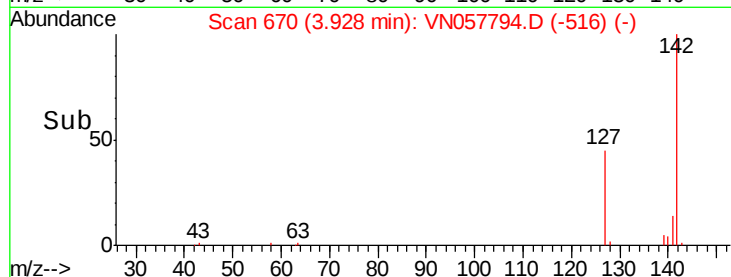
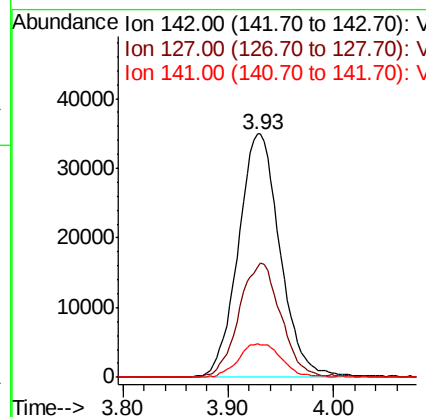
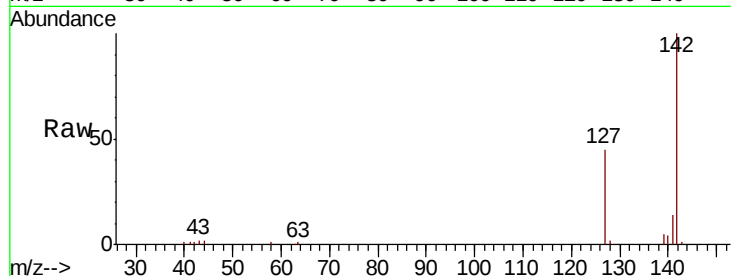
#11
Methyl Iodide
Concen: 19.309 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.2	23.3	69.8
141	13.5	7.5	22.6

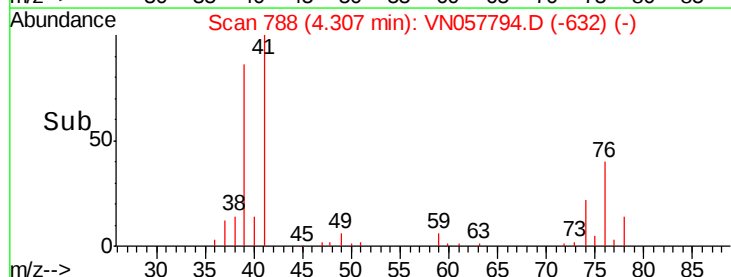
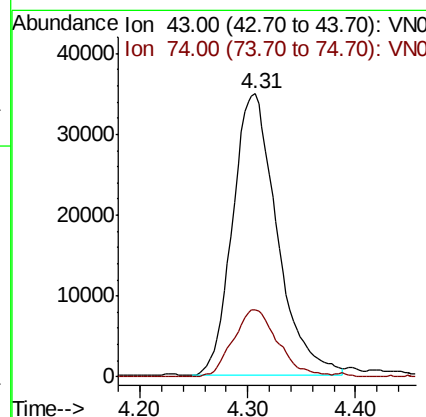
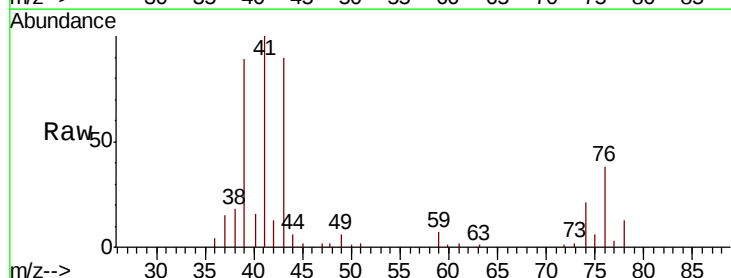
Manual Integrations
APPROVED

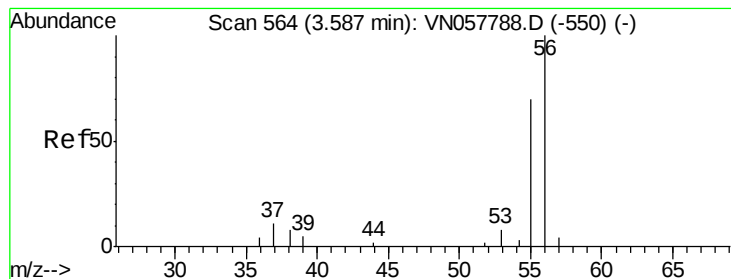
MMDadoda
9/13/2019 11:05:00 AM



#12
Methyl Acetate
Concen: 19.656 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	16.2	24.4





#13

Acrolein

Concen: 85.397 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampleID :

VN0909WBS01

Tgt Ion: 56 Resp: 23584

Ion Ratio Lower Upper

56 100

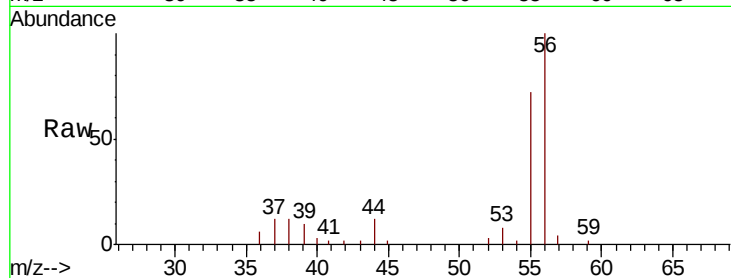
55 73.8 59.0 88.4

Manual Integrations

APPROVED

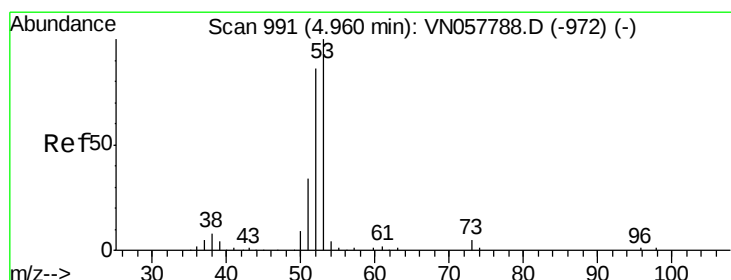
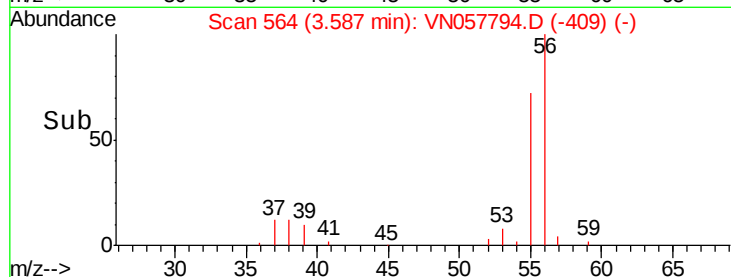
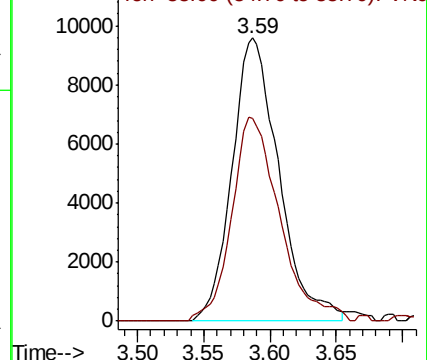
MMDadoda

9/13/2019 11:05:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 100.430 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

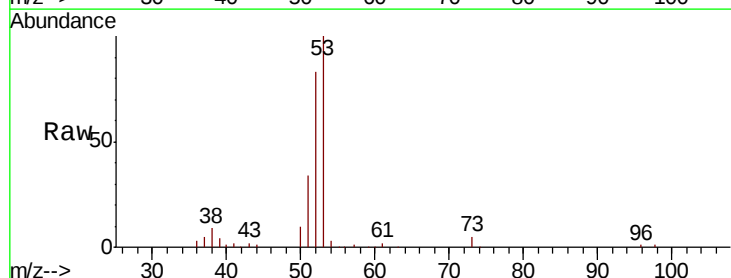
Tgt Ion: 53 Resp: 208391

Ion Ratio Lower Upper

53 100

52 83.0 41.0 123.0

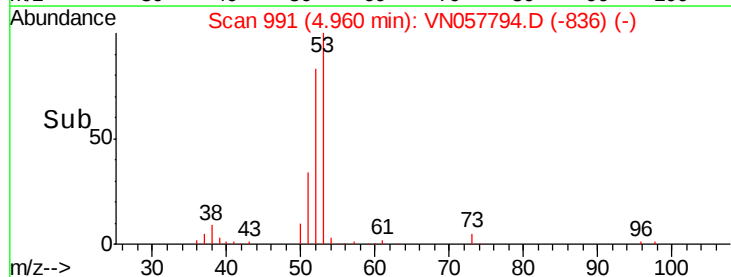
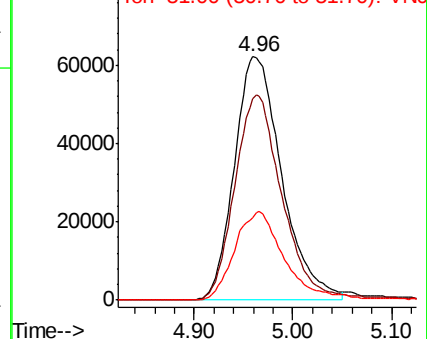
51 37.0 8.6 25.8#

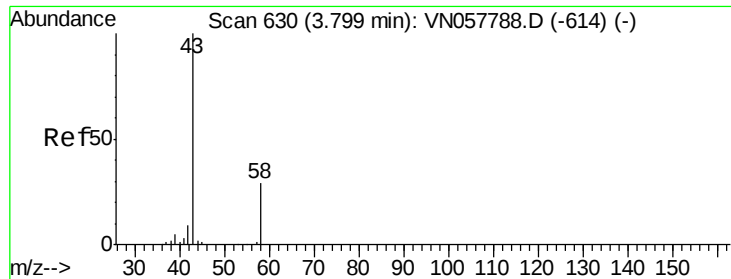


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 100.244 ug/l

RT: 3.80 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tgt Ion: 58 Resp: 59052

Ion Ratio Lower Upper

58 100

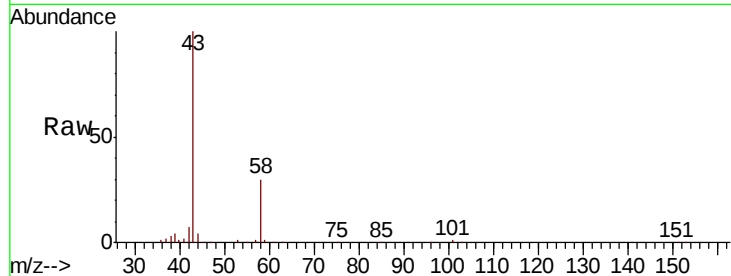
43 332.5 277.7 416.5

Manual Integrations

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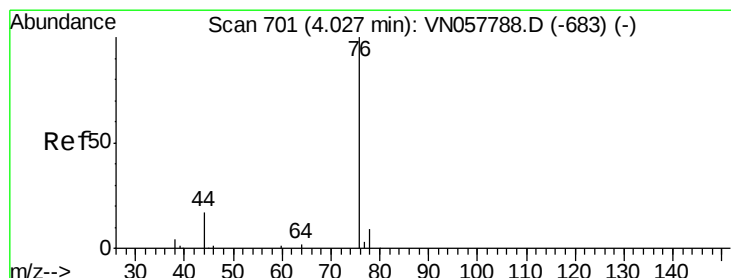
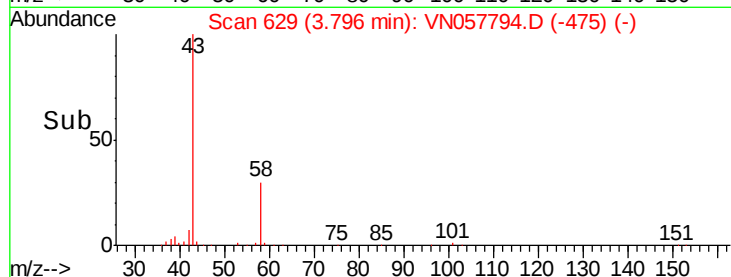
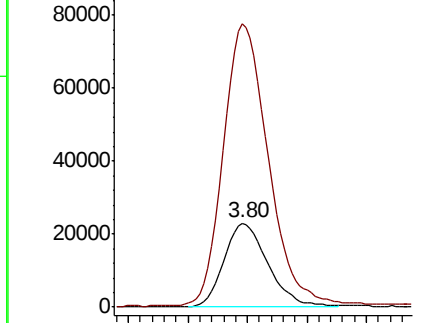
MMDadoda

9/13/2019 11:05:00 AM



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 18.892 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN057794.D

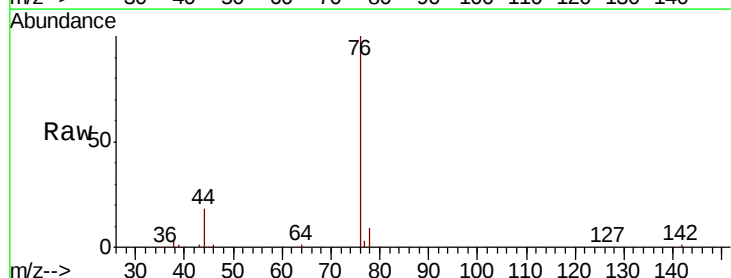
Acq: 9 Sep 2019 12:08

Tgt Ion: 76 Resp: 163170

Ion Ratio Lower Upper

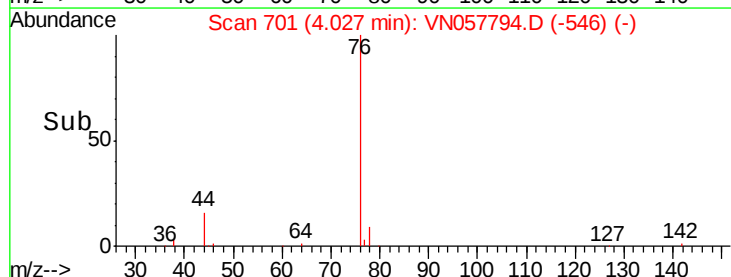
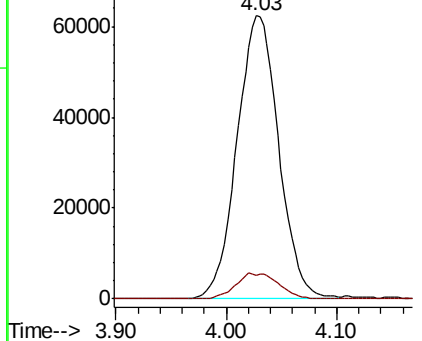
76 100

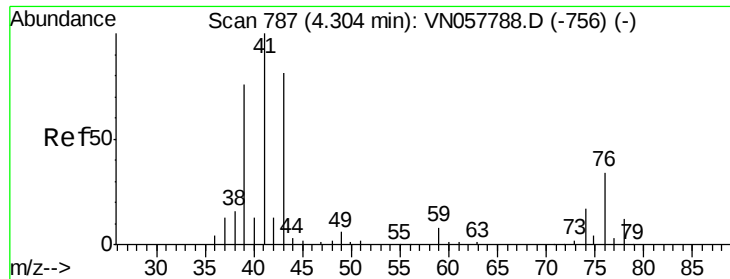
78 8.5 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





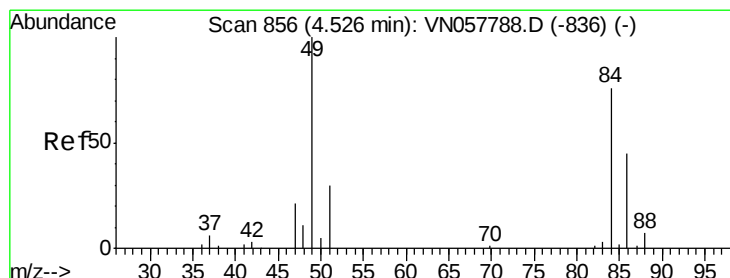
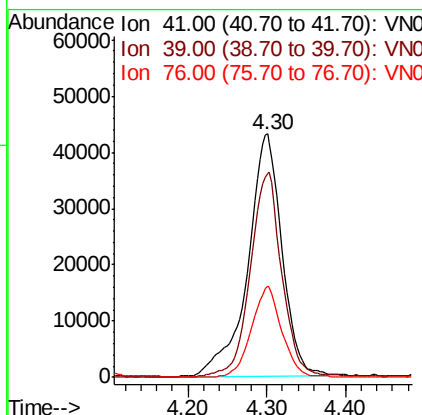
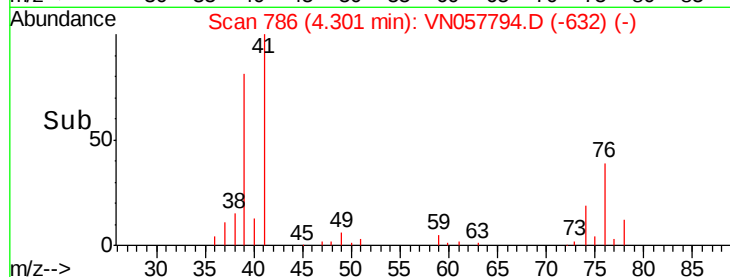
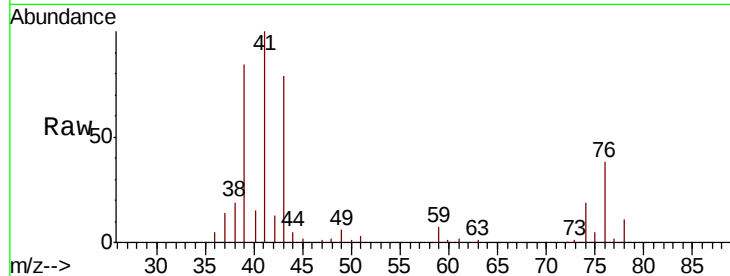
#17
 Allyl chloride
 Concen: 19.597 ug/l
 RT: 4.30 min Scan# 786
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion:	41	Resp:	133186
Ion	Ratio	Lower	Upper
41	100		
39	83.8	38.5	115.3
76	37.9	17.2	51.6

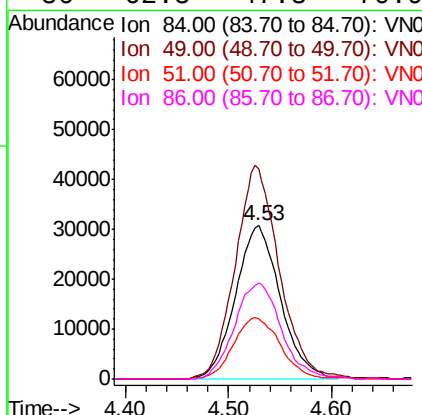
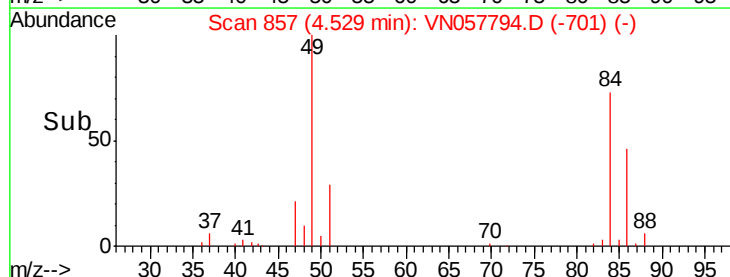
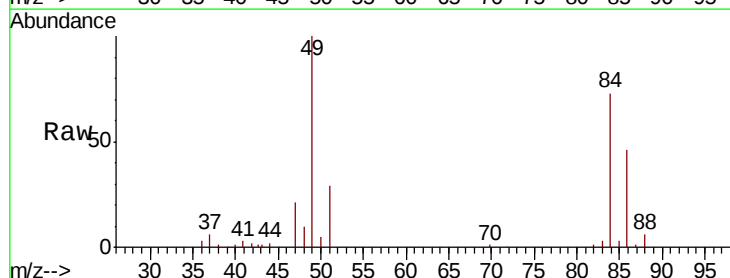
Manual Integrations
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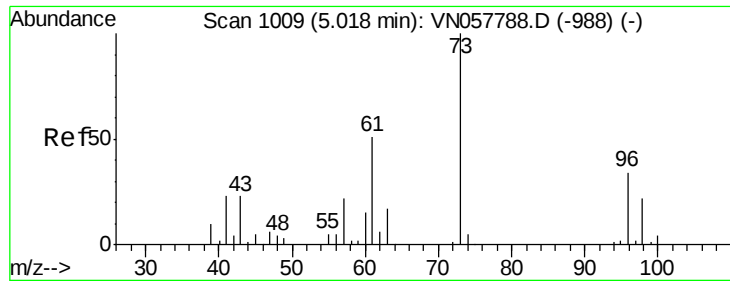
MMDadoda
 9/13/2019 11:05:00 AM



#18
 Methylene Chloride
 Concen: 20.002 ug/l
 RT: 4.53 min Scan# 857
 Delta R.T. 0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion:	84	Resp:	93487
Ion	Ratio	Lower	Upper
84	100		
49	136.7	105.4	158.2
51	39.6	31.3	46.9
86	62.5	47.3	70.9





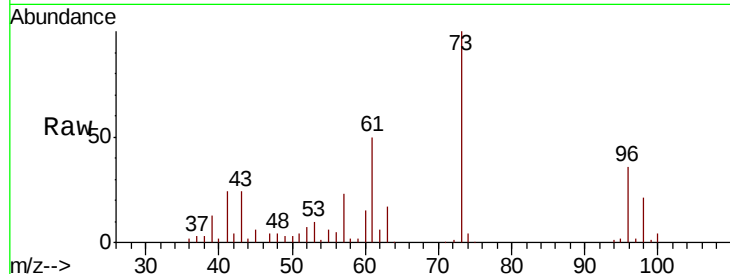
#19
trans-1,2-Dichloroethene
Concen: 20.232 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.6	121.0	181.6
98	58.0	52.7	79.1

Manual Integrations
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MMDadoda
9/13/2019 11:05:00 AM

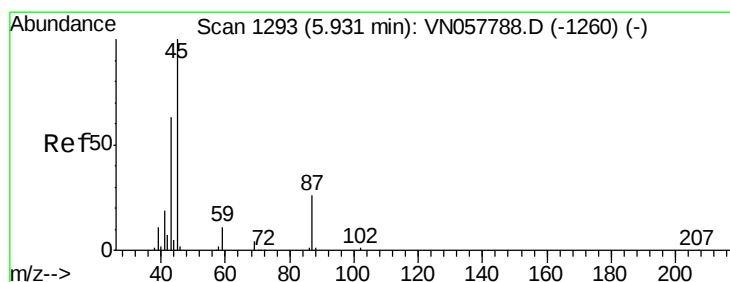
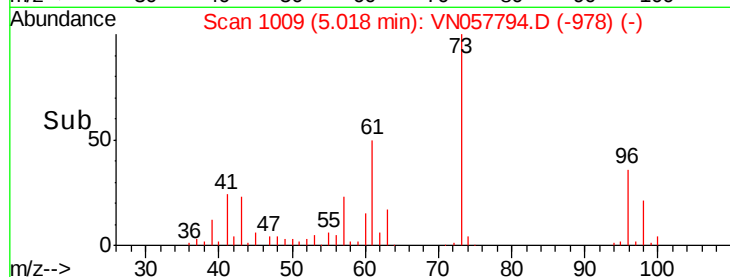
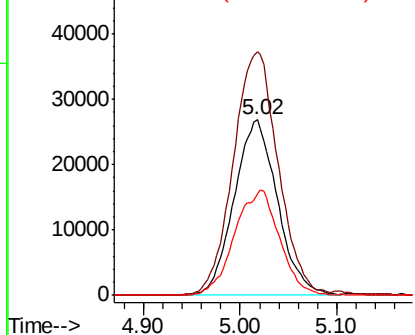


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 19.989 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.5	55.2	82.8
87	25.9	21.3	31.9
59	12.0	9.1	13.7

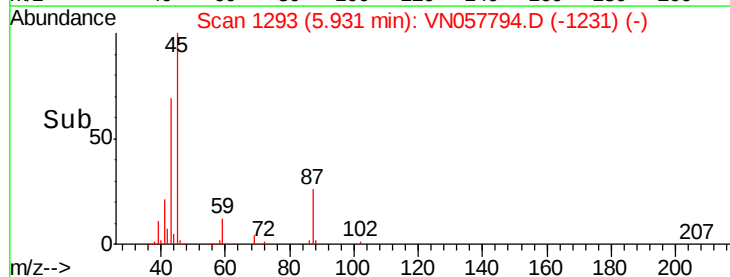
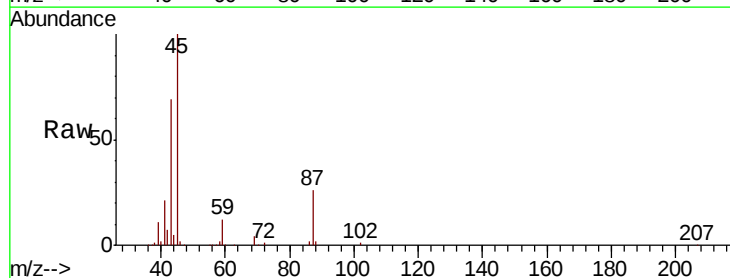
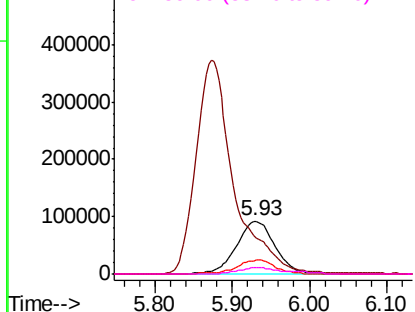
Abundance

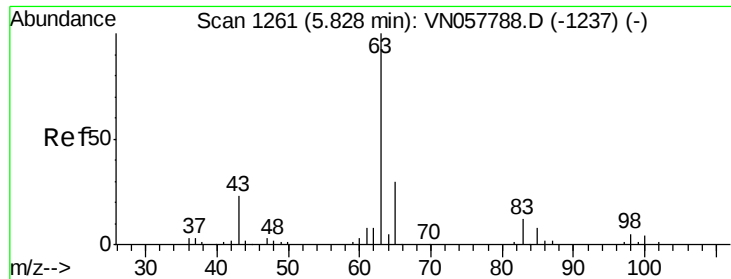
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





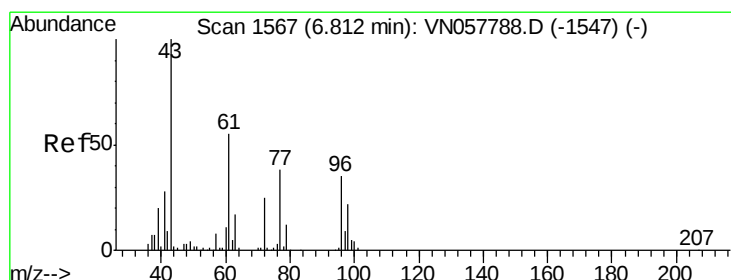
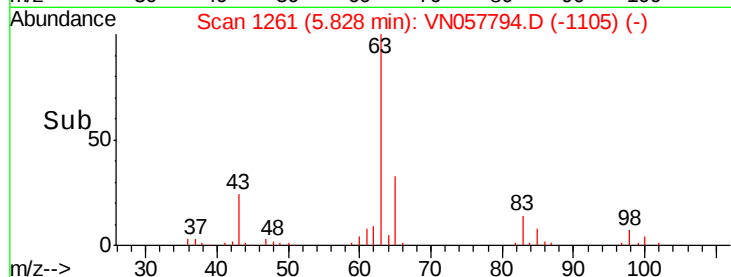
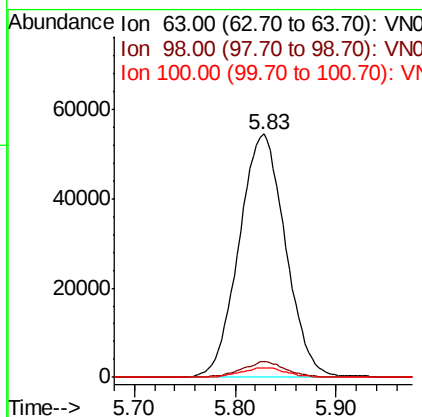
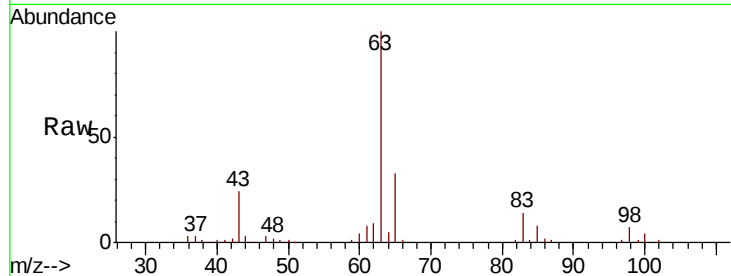
#21
 1,1-Dichloroethane
 Concen: 19.879 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	6.6	2.8	8.3
100	4.1	1.8	5.5

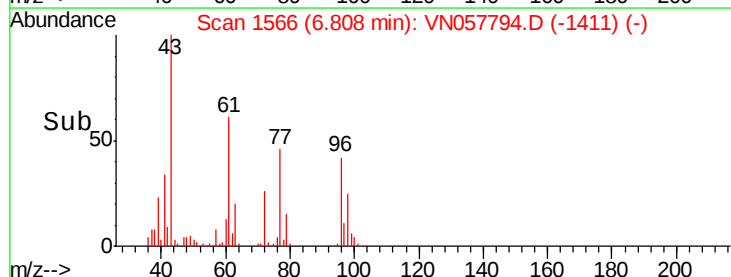
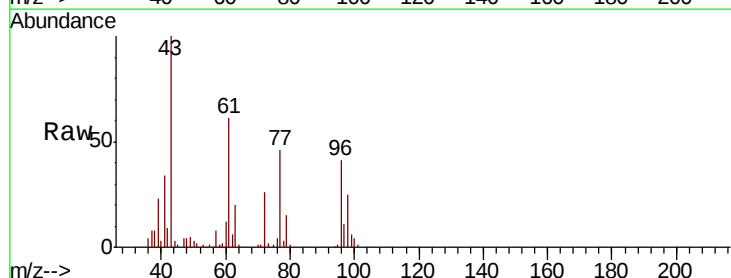
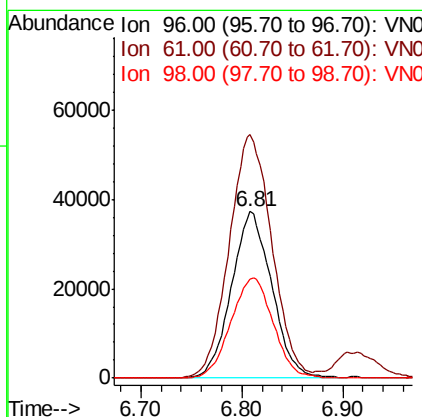
Manual Integrations
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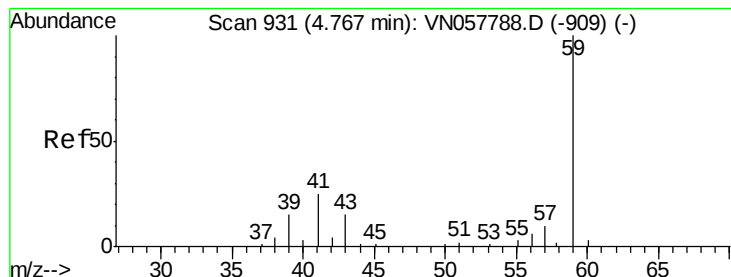
MMDadoda
 9/13/2019 11:05:00 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.447 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
96	100		
61	154.4	127.4	191.0
98	62.9	51.5	77.3





#23

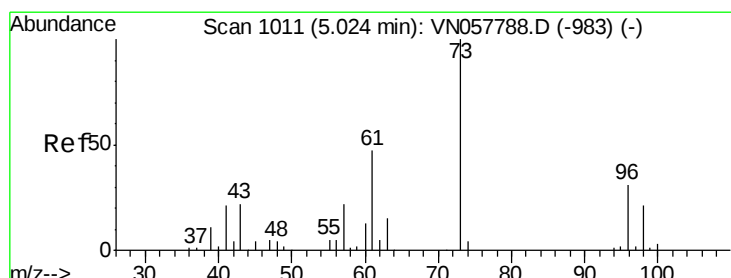
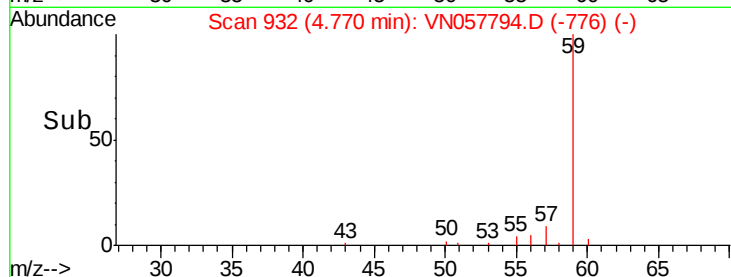
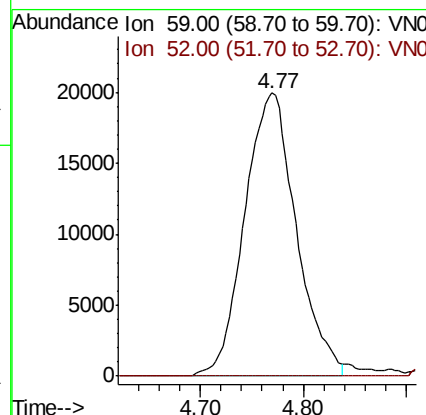
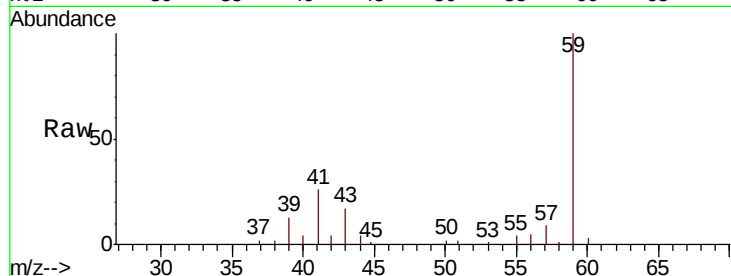
tert-Butyl Alcohol
 Concen: 102.339 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

Manual Integrations
 APPROVED

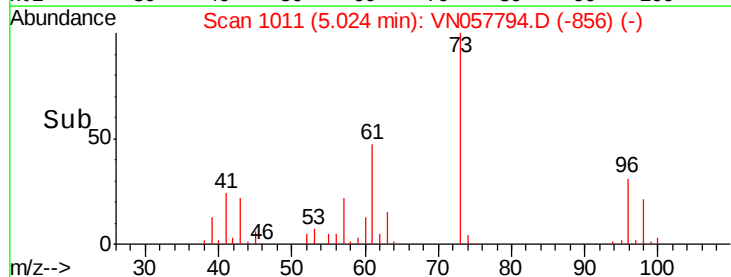
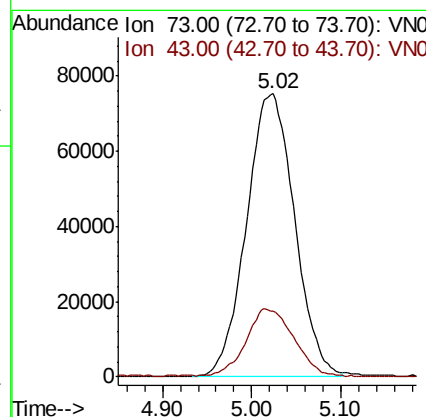
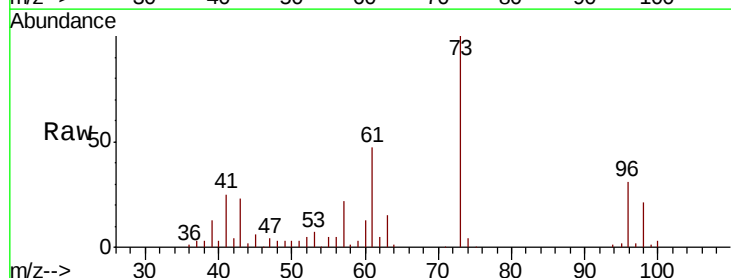
MMDadoda
 9/13/2019 11:05:00 AM

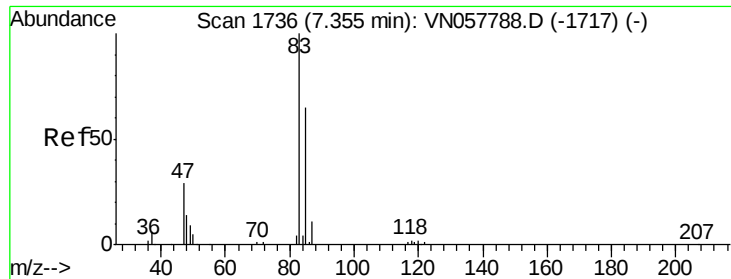


#24

Methyl tert-Butyl Ether
 Concen: 19.906 ug/l
 RT: 5.02 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
73	100		
43	23.4	0.0	0.0





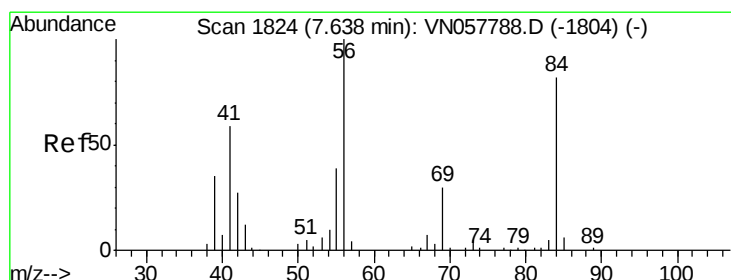
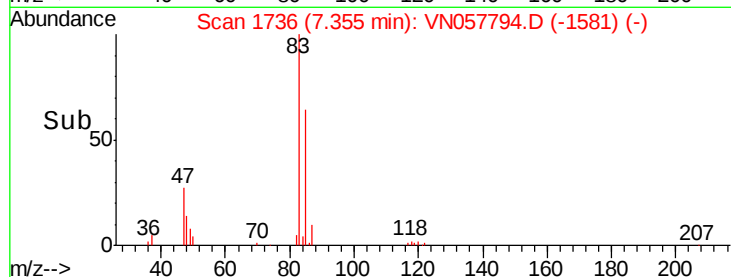
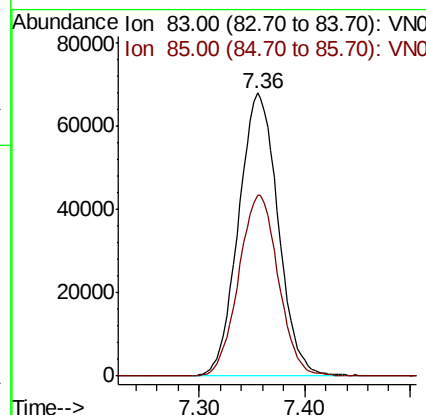
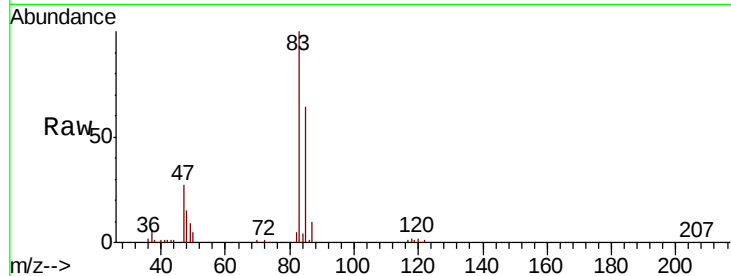
#25
Chloroform
Concen: 19.838 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion: 83 Resp: 176939
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.6

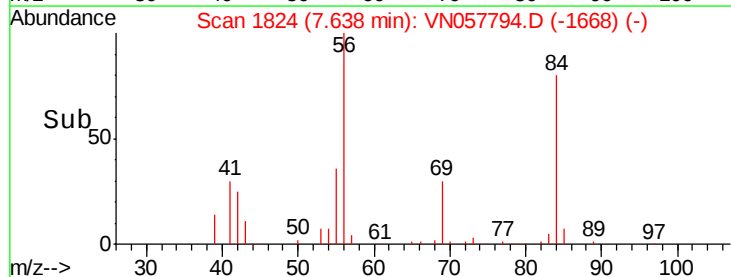
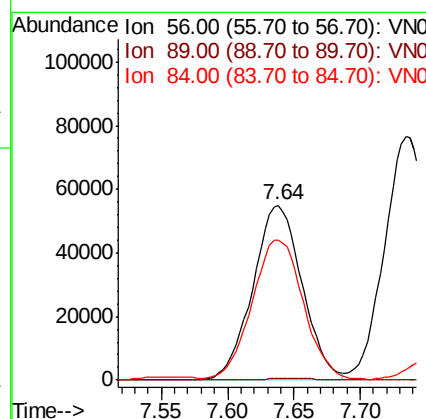
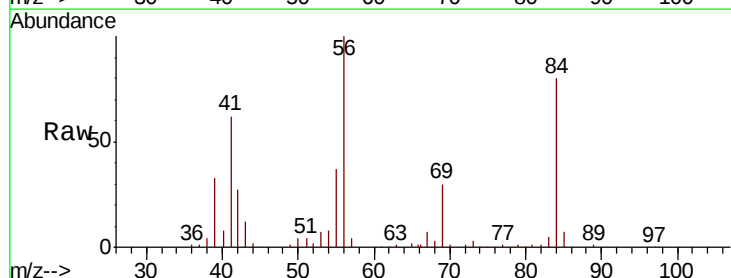
Manual Integrations
APPROVED

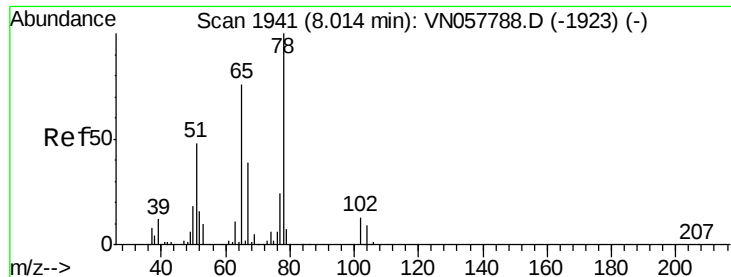
MMDadoda
9/13/2019 11:05:00 AM



#26
Cyclohexane
Concen: 19.374 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion: 56 Resp: 142612
Ion Ratio Lower Upper
56 100
89 0.8 0.3 0.5#
84 83.0 66.6 100.0





#27

1,2-Dichloroethane-d4

Concen: 29.719 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampleId :

VN0909WBS01

Tgt Ion: 65 Resp: 184393

Ion Ratio Lower Upper

65 100

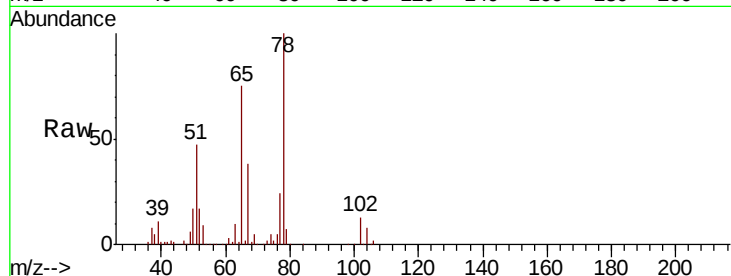
67 52.1 40.9 61.3

Manual Integrations

APPROVED

MMDadoda

9/13/2019 11:05:00 AM



Abundance Ion 65.00 (64.70 to 65.70): VN057788.D (-1923) (-)

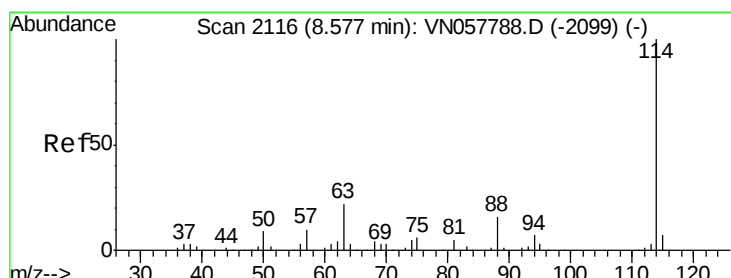
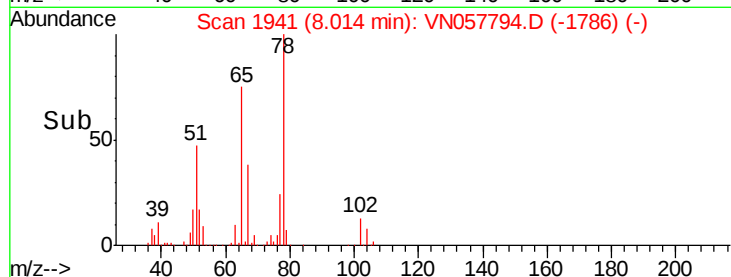
Ion 67.00 (66.70 to 67.70): VN057788.D (-1923) (-)

8.01

8.05

8.10

Time-->



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

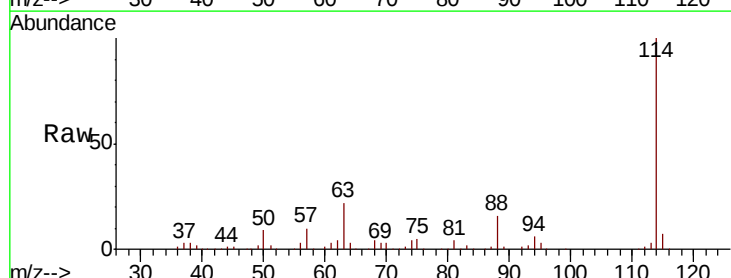
Tgt Ion: 114 Resp: 421794

Ion Ratio Lower Upper

114 100

63 22.5 18.0 27.0

88 16.1 12.6 19.0



Abundance Ion 114.00 (113.70 to 114.70): VN057788.D (-2099) (-)

Ion 63.00 (62.70 to 63.70): VN057788.D (-2099) (-)

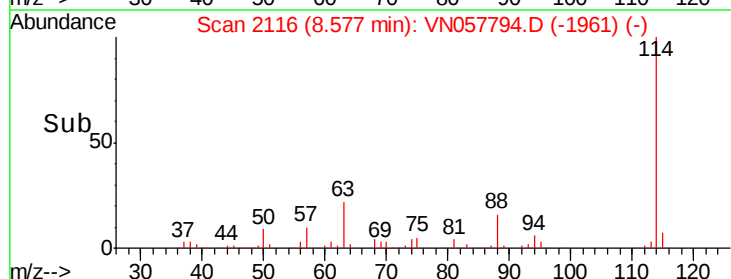
Ion 88.00 (87.70 to 88.70): VN057788.D (-2099) (-)

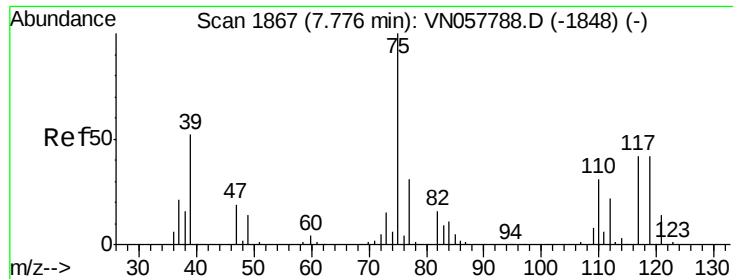
8.58

8.60

8.65

Time-->





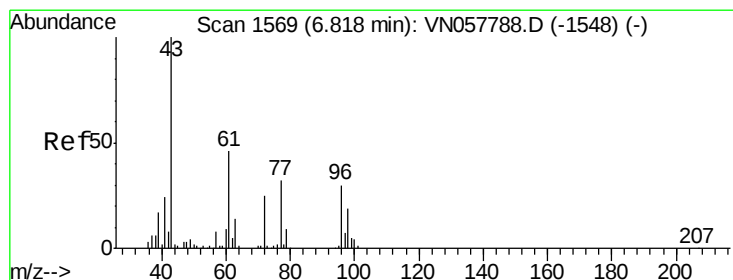
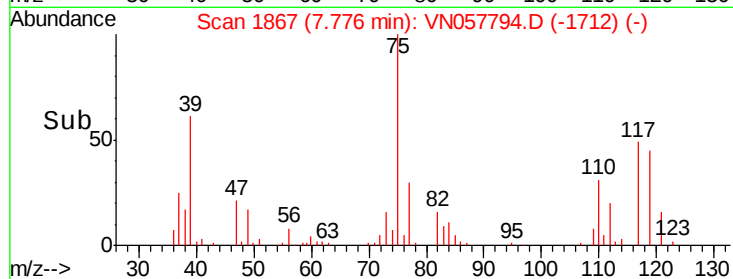
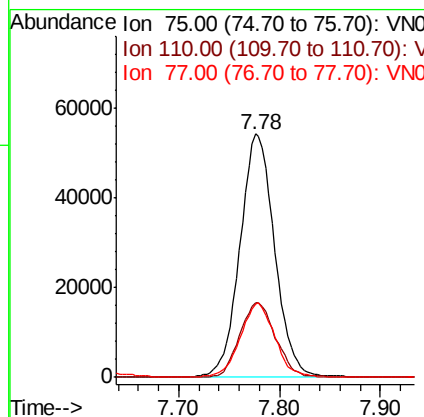
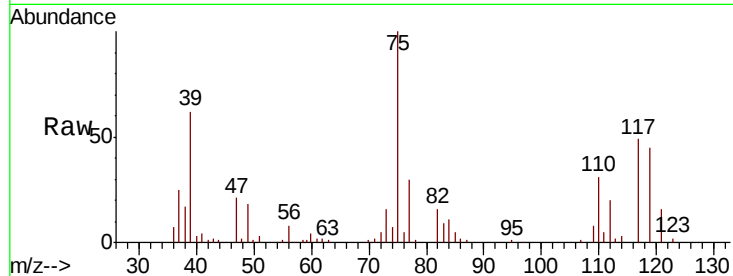
#29
 1,1-Dichloropropene
 Concen: 19.484 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
75	100		
110	31.5	0.0	63.8
77	30.4	0.0	60.0

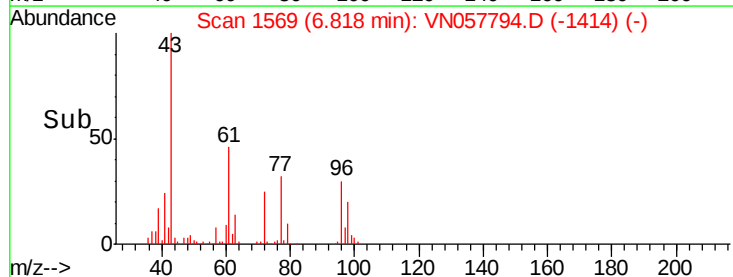
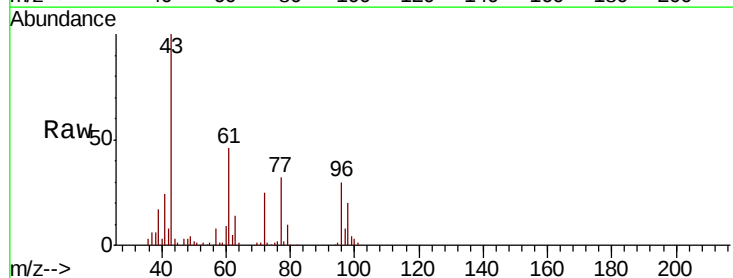
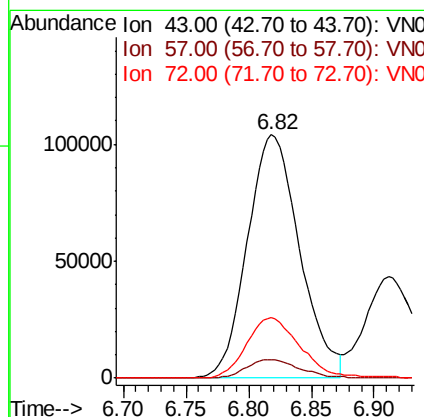
Manual Integrations
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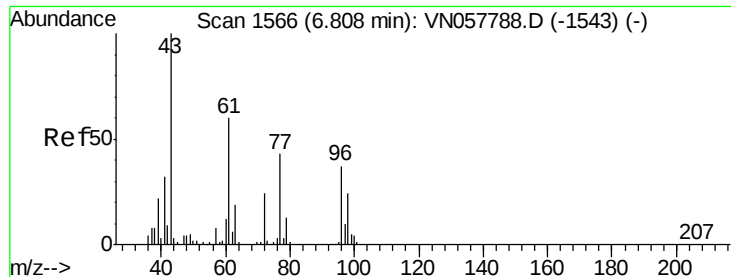
MMDadoda
 9/13/2019 11:05:00 AM



#30
 2-Butanone
 Concen: 100.302 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
57	7.9	6.4	9.6
72	25.6	20.3	30.5





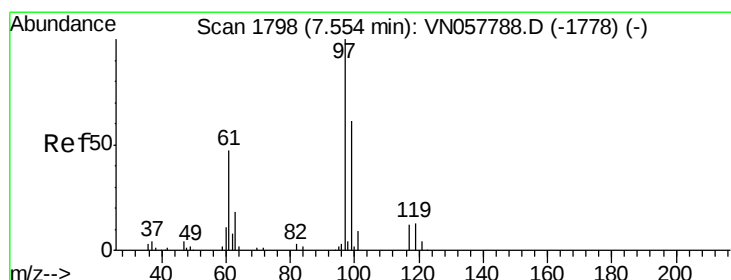
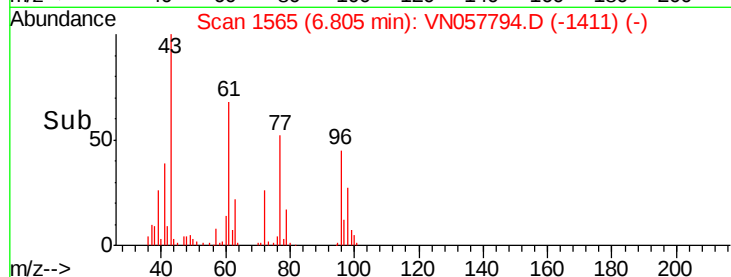
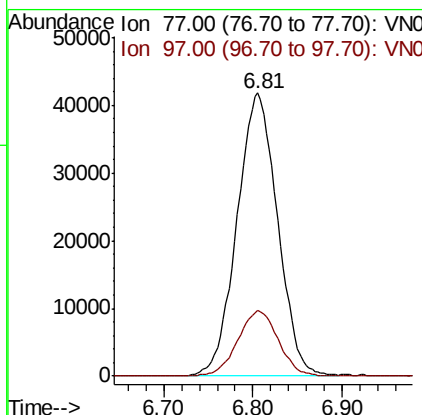
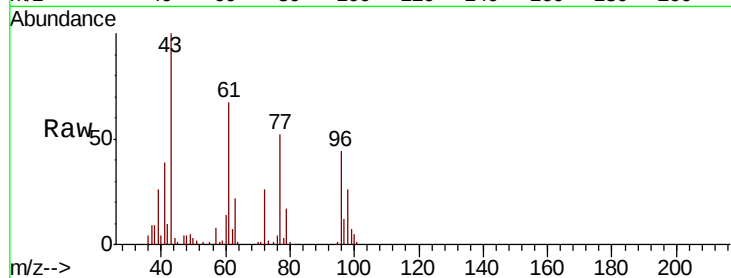
#31
 2,2-Dichloropropane
 Concen: 18.848 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion: 77 Resp: 132038
 Ion Ratio Lower Upper
 77 100
 97 23.1 17.7 26.5

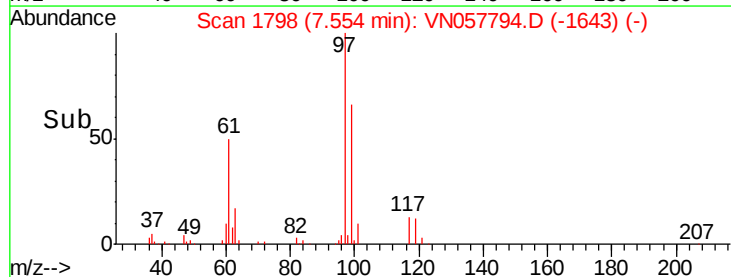
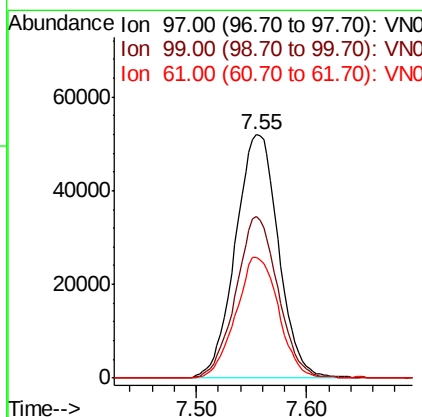
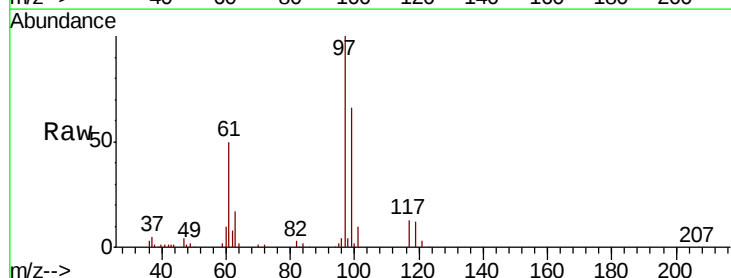
Manual Integrations
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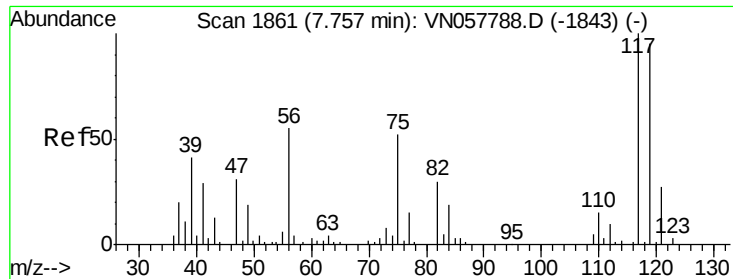
MMDadoda
 9/13/2019 11:05:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.865 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion: 97 Resp: 140738
 Ion Ratio Lower Upper
 97 100
 99 64.6 49.8 74.8
 61 49.3 38.7 58.1





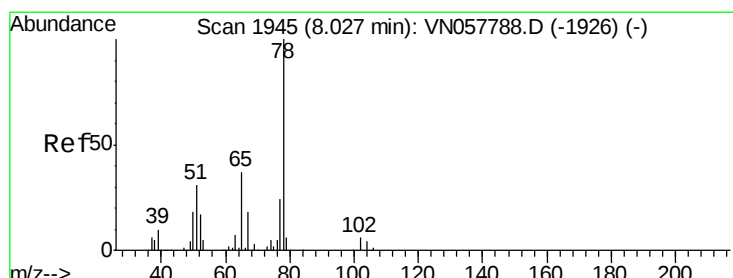
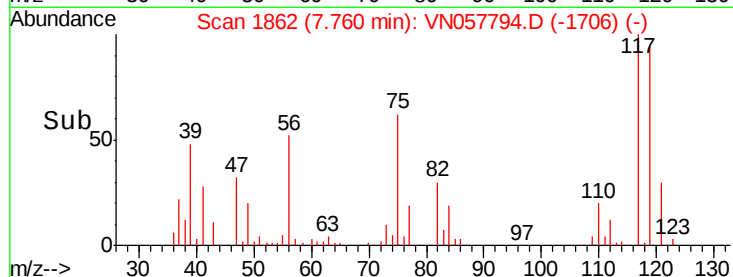
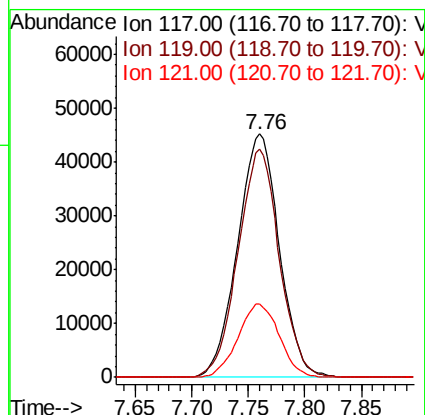
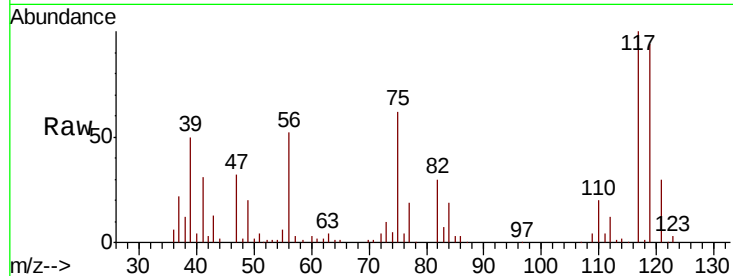
#33
Carbon Tetrachloride
Concen: 19.049 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.7	113.5
121	30.2	21.7	32.5

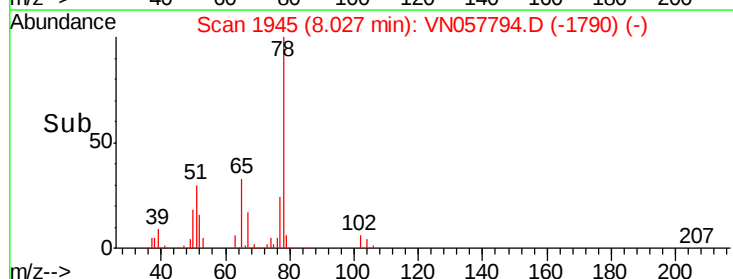
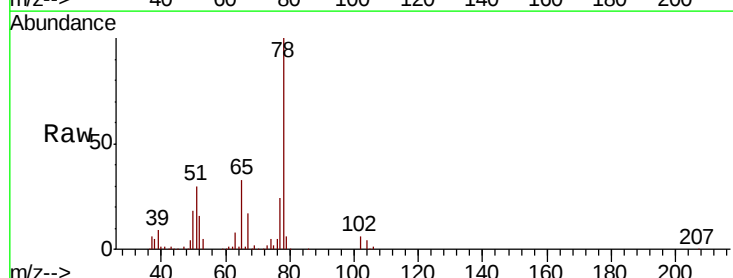
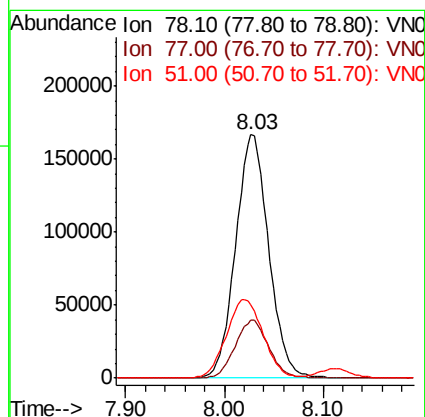
Manual Integrations
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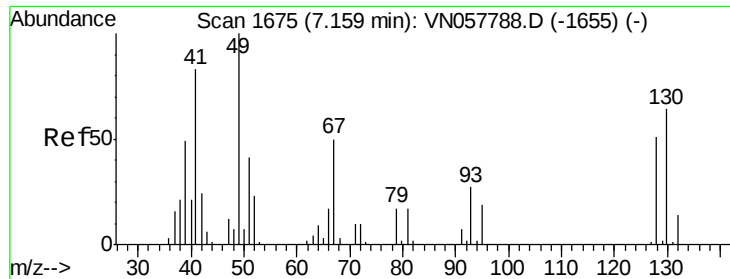
MMDadoda
9/13/2019 11:05:00 AM



#34
Benzene
Concen: 19.698 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.2	28.8
51	30.0	24.9	37.3





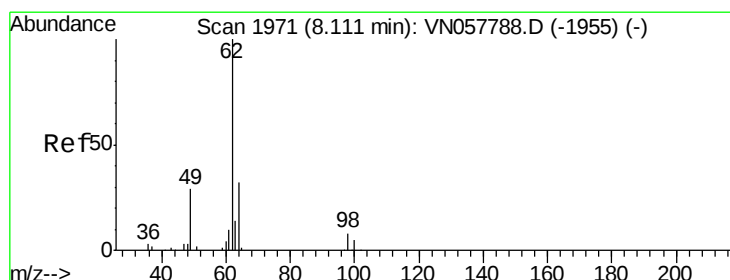
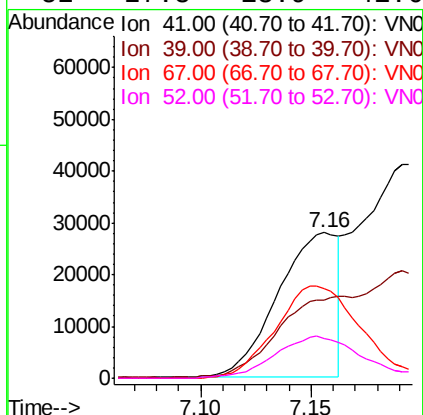
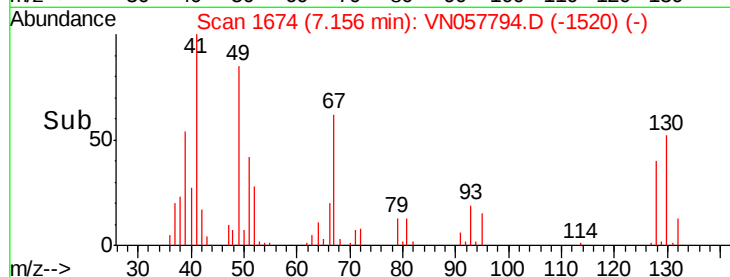
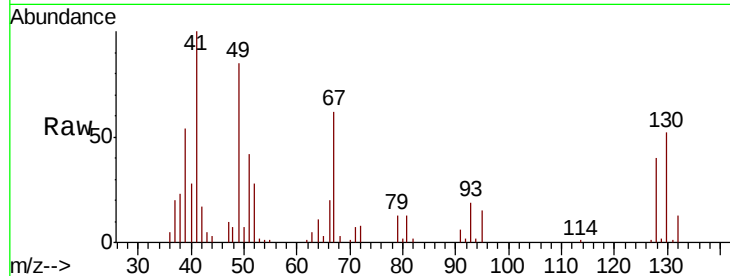
#35
Methacrylonitrile
Concen: 19.014 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	53.7	29.8	89.5
67	62.3	30.0	90.1
52	27.8	13.9	41.6

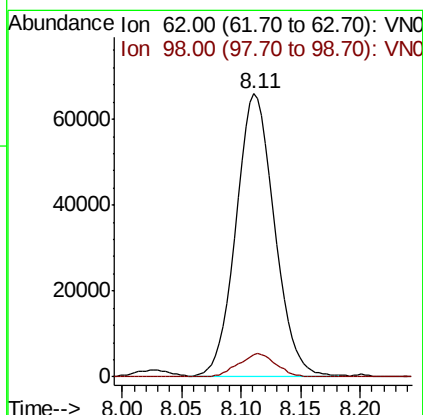
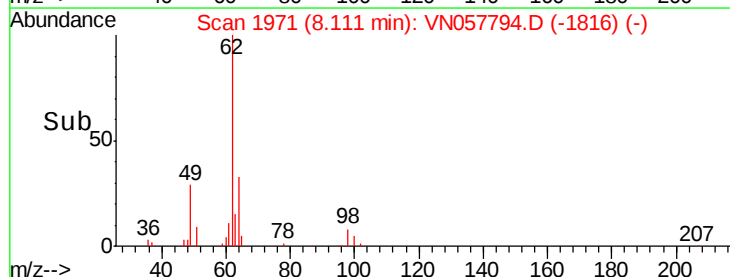
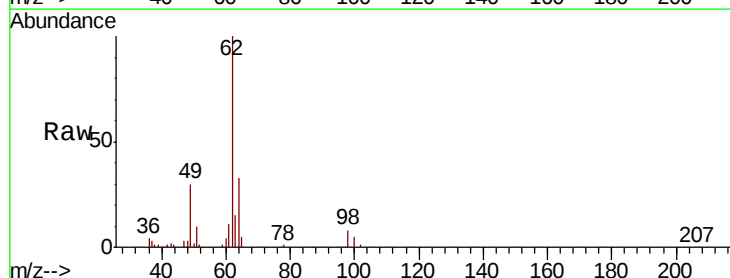
Manual Integrations
APPROVED

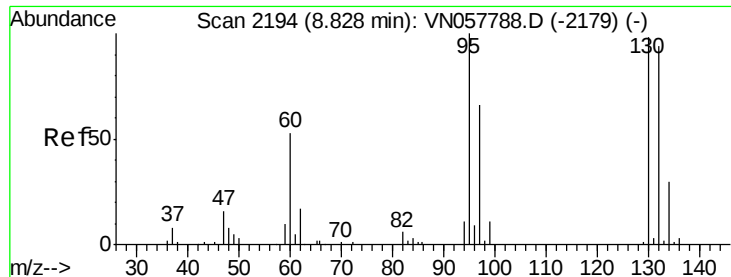
MMDadoda
9/13/2019 11:05:00 AM



#36
1,2-Dichloroethane
Concen: 19.427 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.6	9.8





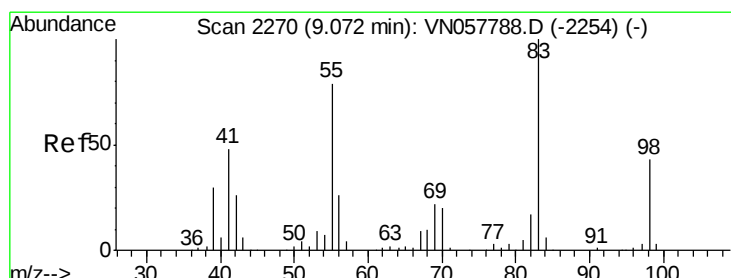
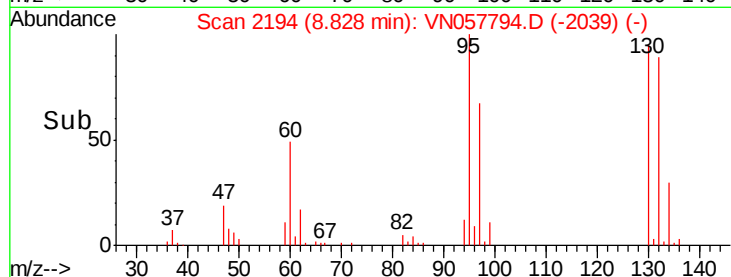
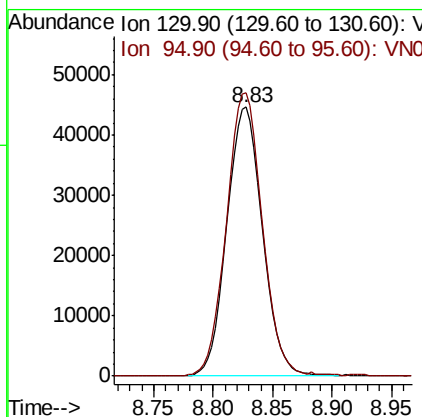
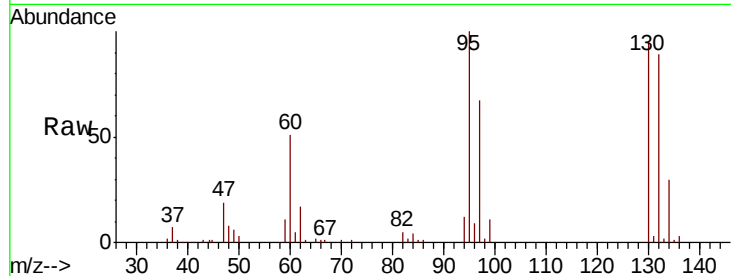
#37
 Trichloroethene
 Concen: 19.467 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampled :
 VN0909WBS01

Tgt Ion:130 Resp: 92962
 Ion Ratio Lower Upper
 130 100
 95 104.8 81.9 122.9

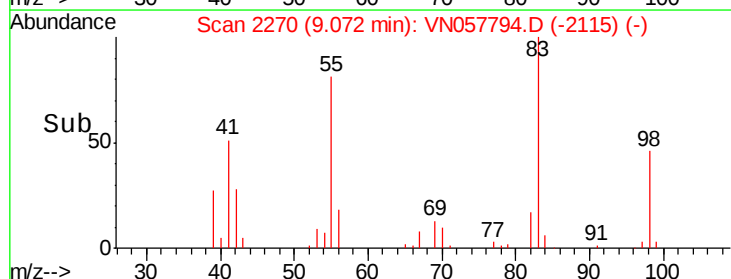
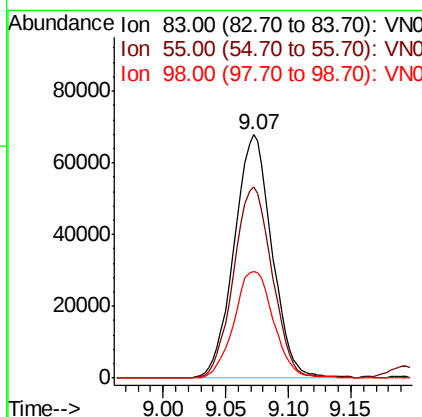
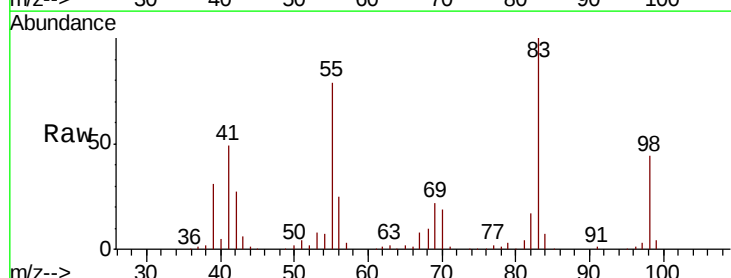
Manual Integrations
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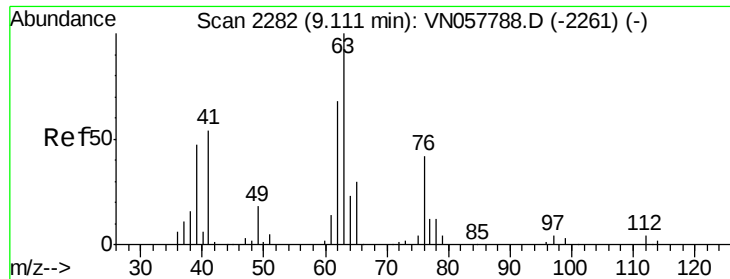
MMDadoda
 9/13/2019 11:05:00 AM



#38
 Methylcyclohexane
 Concen: 18.820 ug/l
 RT: 9.07 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion: 83 Resp: 142195
 Ion Ratio Lower Upper
 83 100
 55 79.9 39.6 118.7
 98 45.7 21.8 65.4





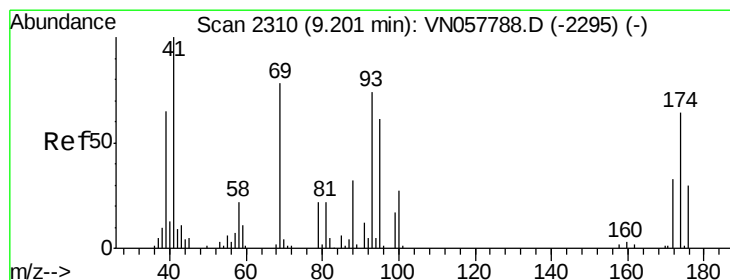
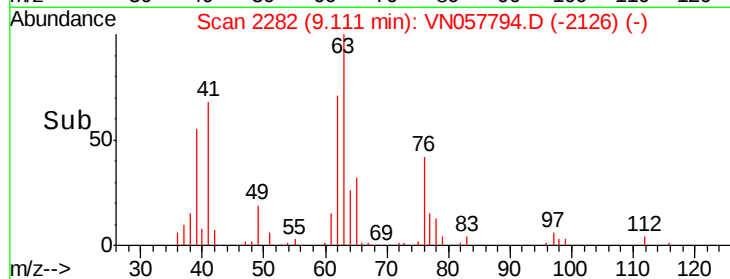
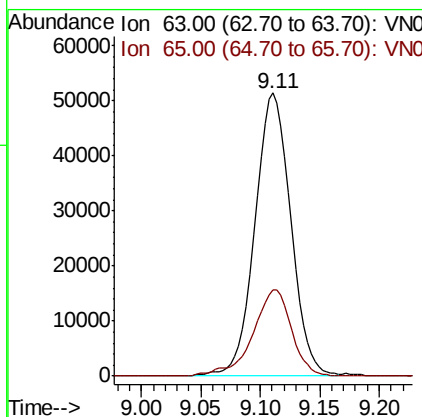
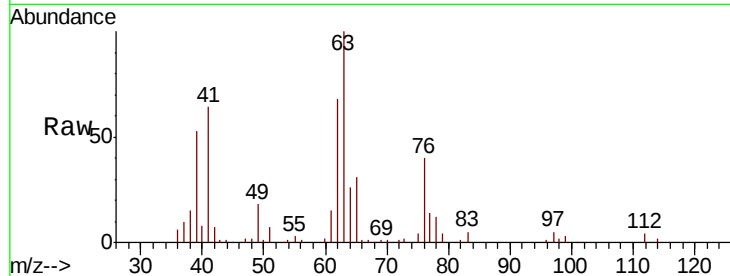
#39
 1,2-Dichloropropane
 Concen: 19.481 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion: 63 Resp: 107562
 Ion Ratio Lower Upper
 63 100
 65 30.6 23.6 35.4

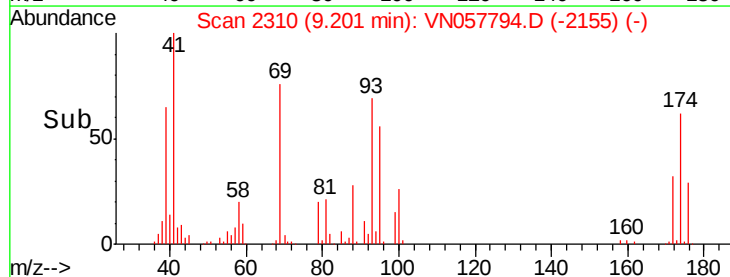
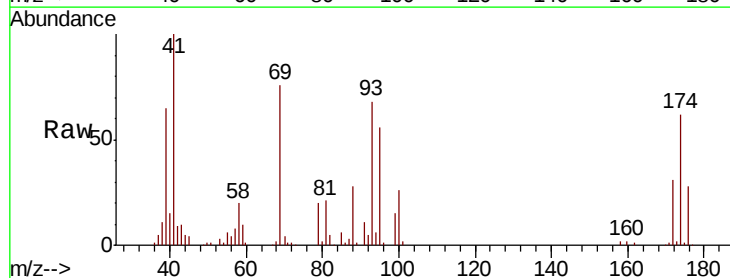
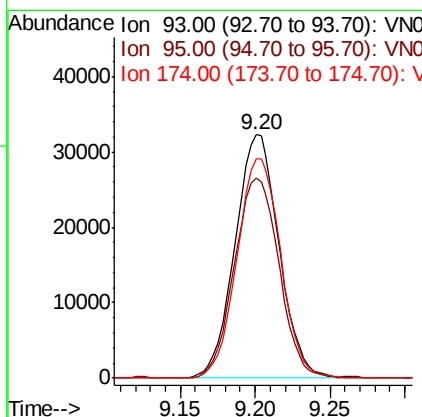
Manual Integrations
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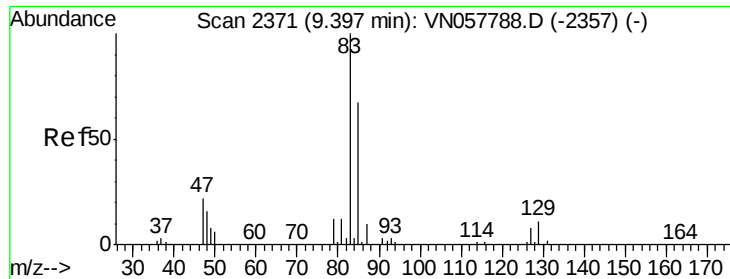
MMDadoda
 9/13/2019 11:05:00 AM



#40
 Dibromomethane
 Concen: 19.645 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion: 93 Resp: 65972
 Ion Ratio Lower Upper
 93 100
 95 83.5 0.0 163.0
 174 89.6 0.0 171.4





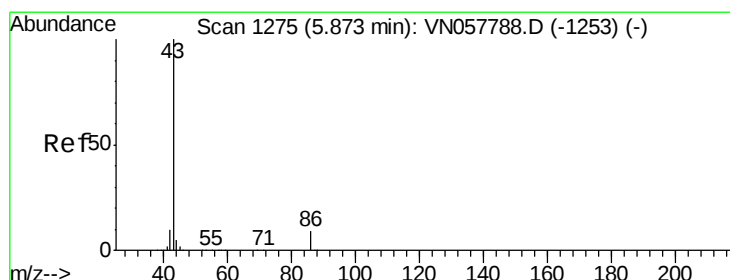
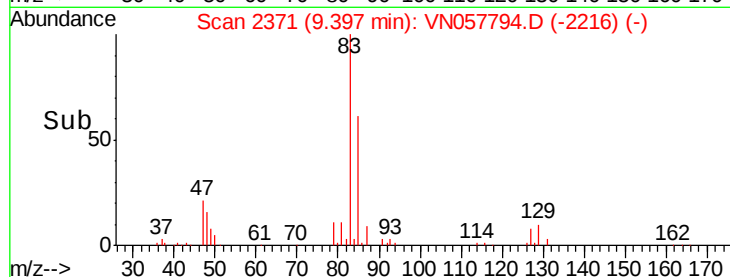
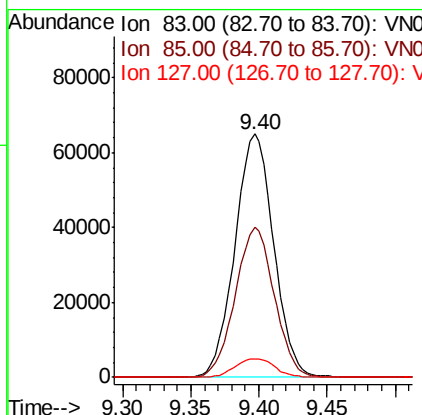
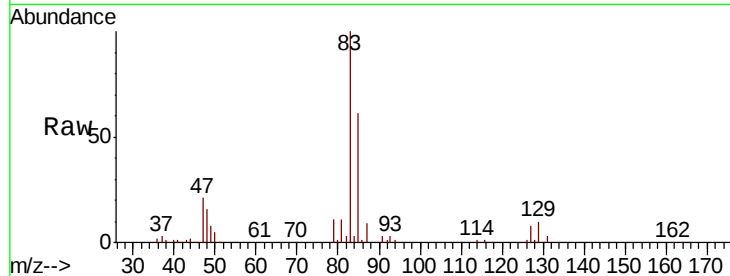
#41
 Bromodichloromethane
 Concen: 18.980 ug/l
 RT: 9.40 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.5	53.4	80.0
127	7.8	6.6	10.0

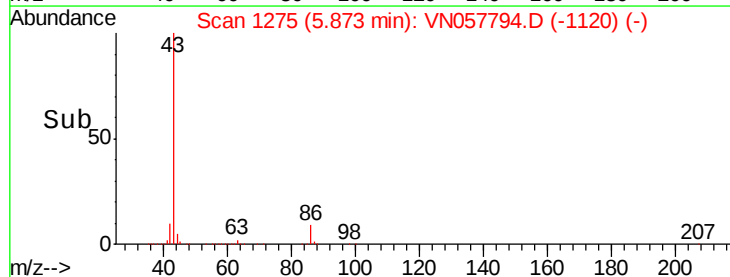
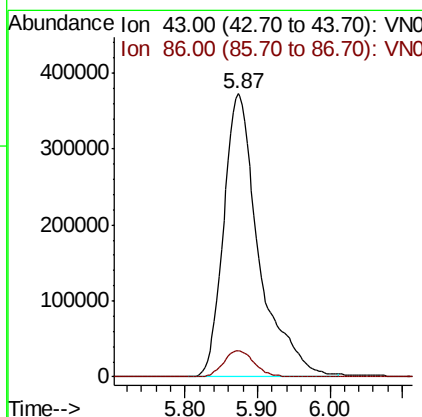
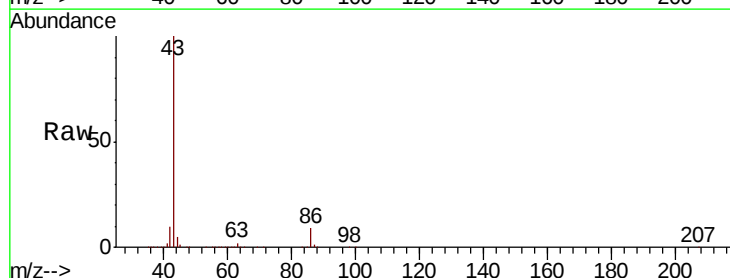
Manual Integrations
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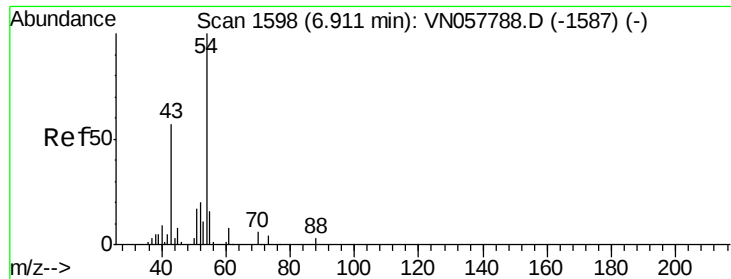
MMDadoda
 9/13/2019 11:05:00 AM



#42
 Vinyl Acetate
 Concen: 104.778 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.1	6.3	9.5





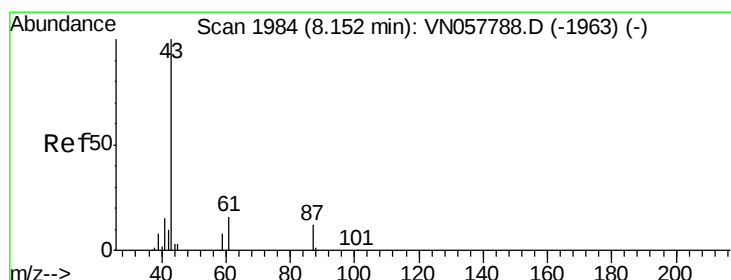
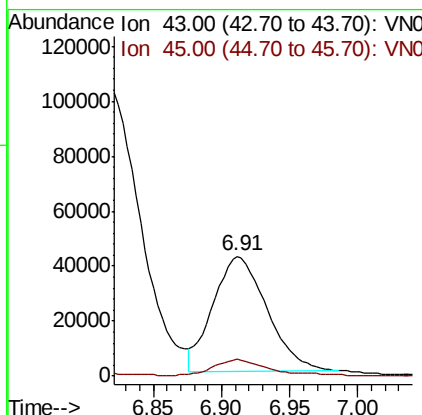
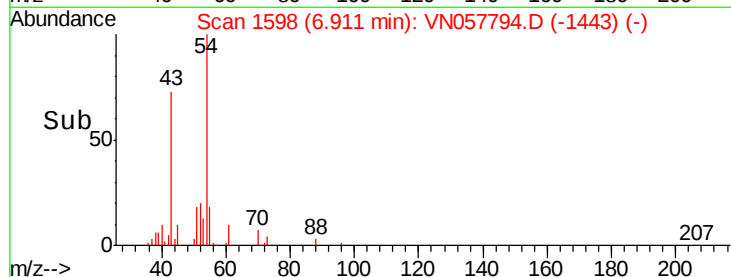
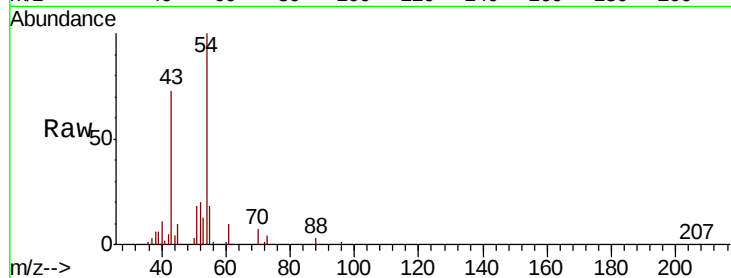
#43
Ethyl Acetate
Concen: 18.893 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion: 43 Resp: 115323
Ion Ratio Lower Upper
43 100
45 12.8 5.4 8.0#

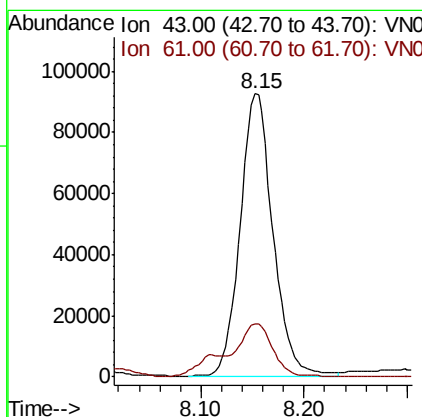
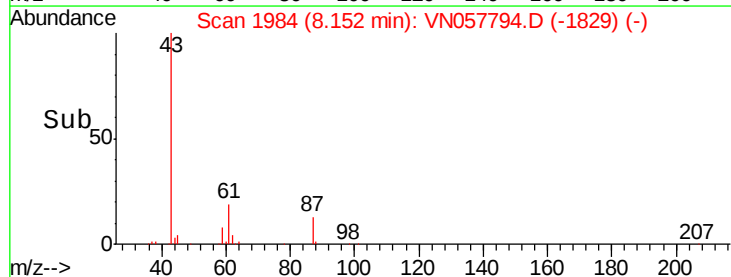
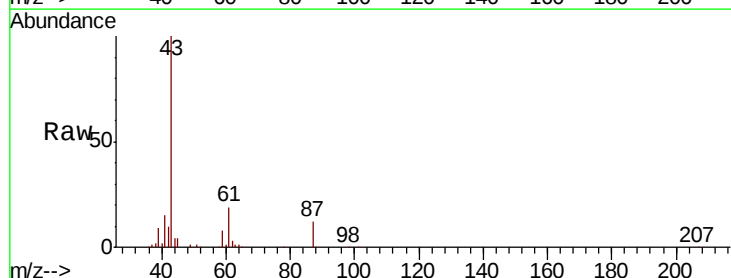
Manual Integrations
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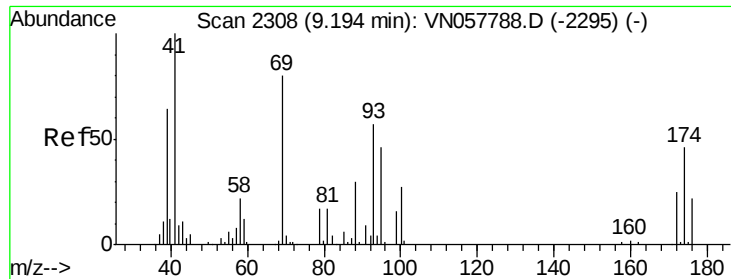
MMDadoda
9/13/2019 11:05:00 AM



#44
Isopropyl Acetate
Concen: 19.191 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion: 43 Resp: 204243
Ion Ratio Lower Upper
43 100
61 18.0 0.1 0.1#





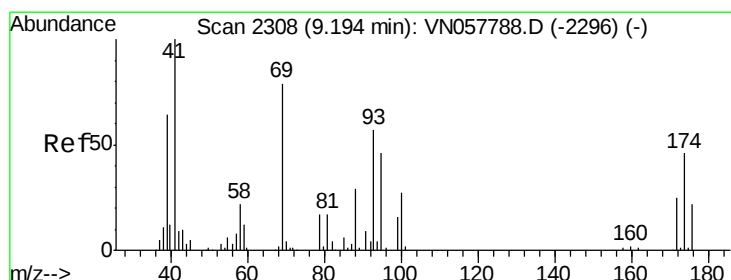
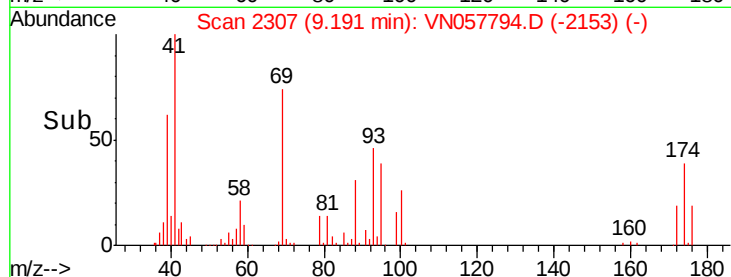
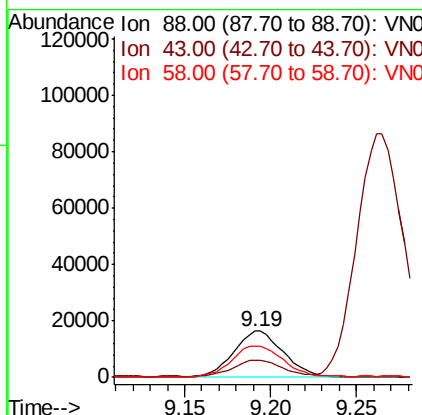
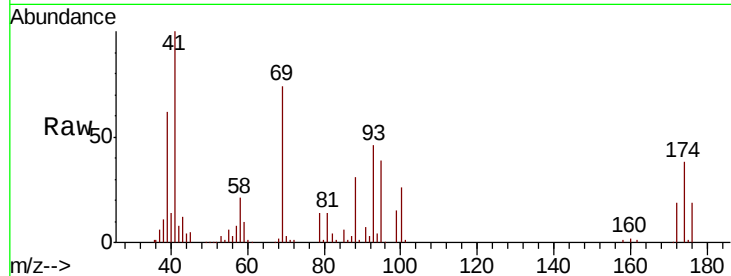
#45
 1,4-Dioxane
 Concen: 395.942 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	33113		
43	33.4	28.2	42.4	
58	71.0	58.5	87.7	

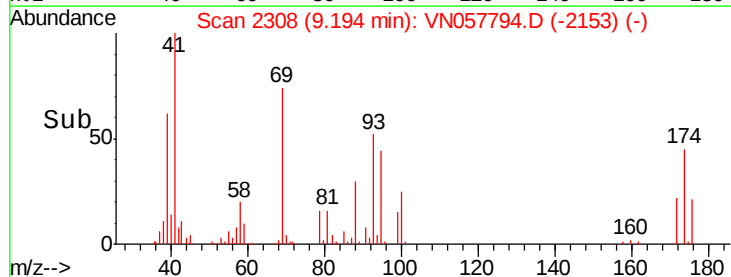
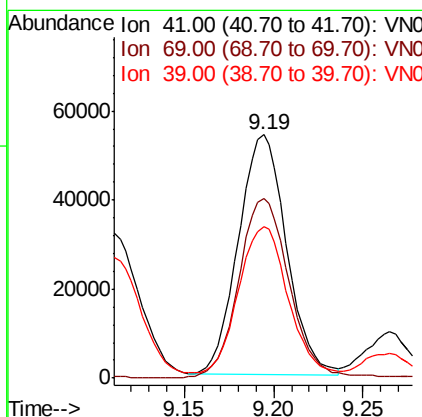
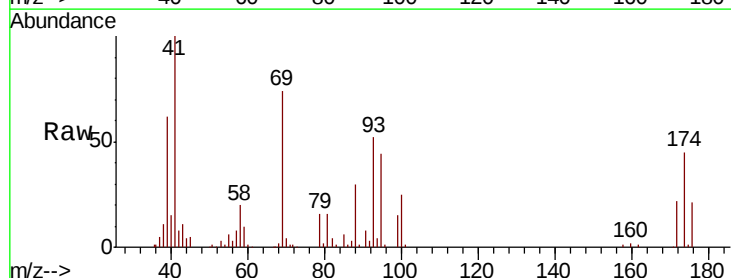
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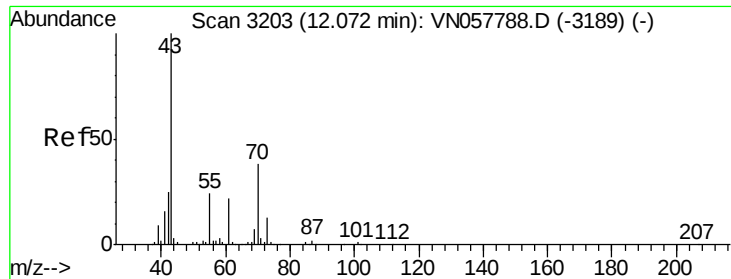
MMDadoda
 9/13/2019 11:05:00 AM



#46
 Methyl methacrylate
 Concen: 19.553 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101654		
69	74.6	39.6	119.0	
39	61.1	31.9	95.7	





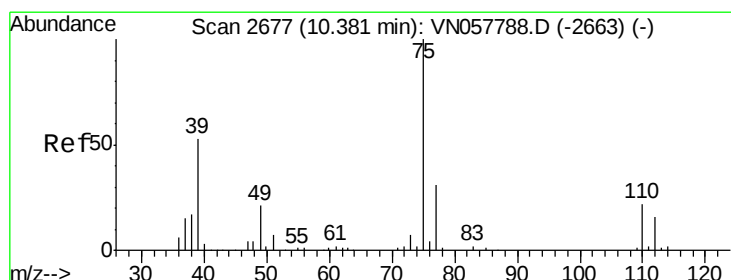
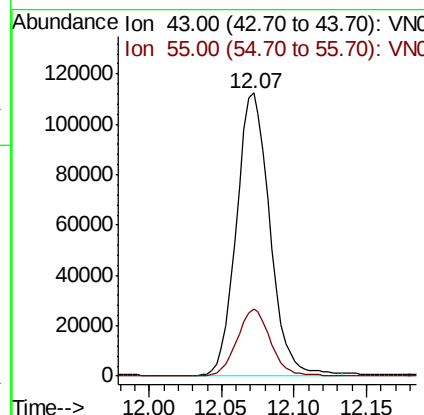
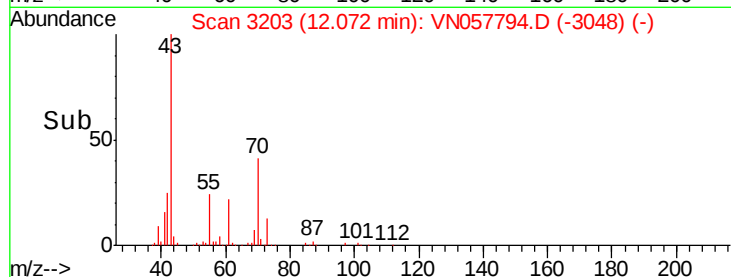
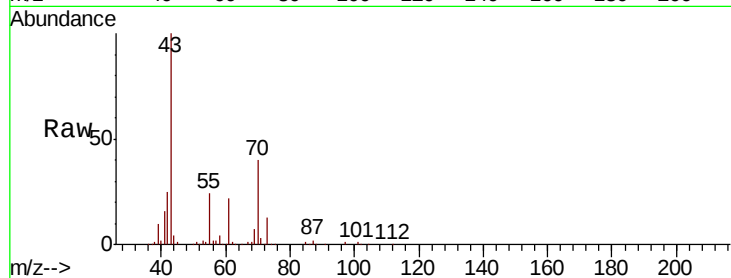
#47
n-amyl Acetate
Concen: 18.319 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion: 43 Resp: 179098
Ion Ratio Lower Upper
43 100
55 24.0 18.3 27.5

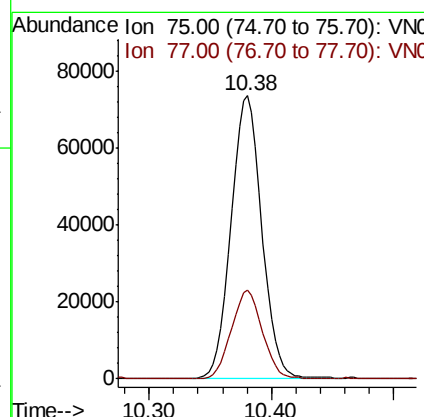
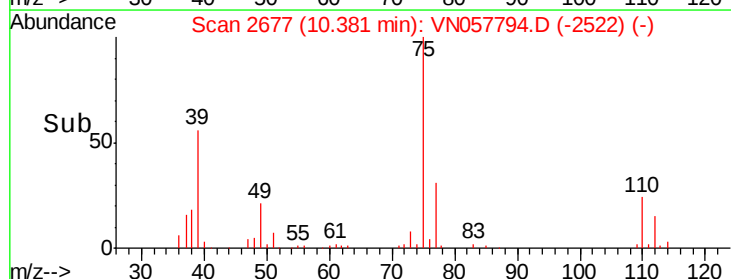
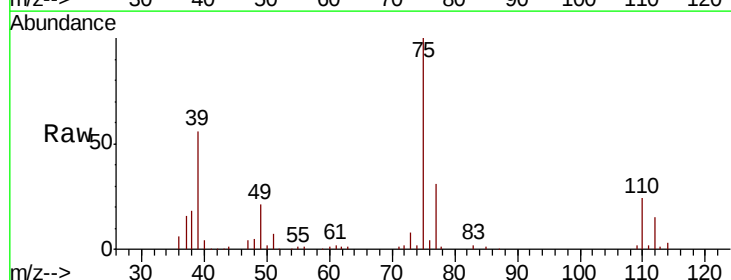
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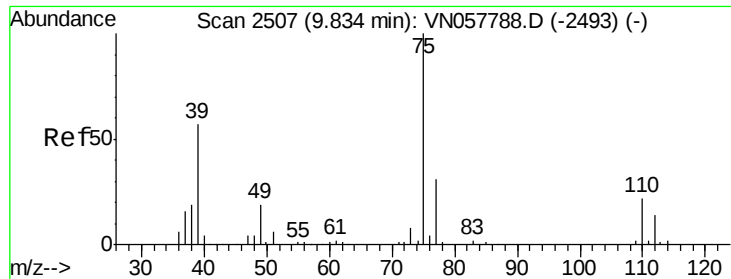
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.032 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion: 75 Resp: 129974
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3





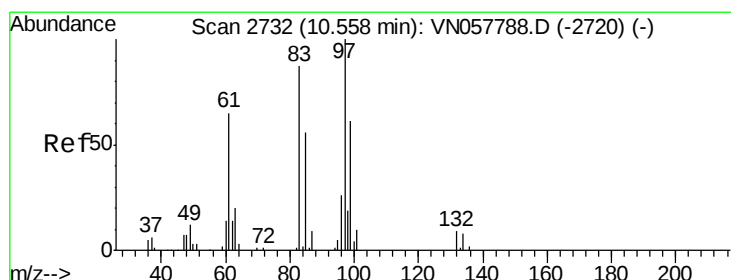
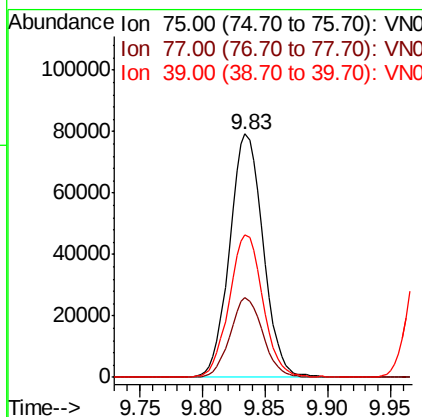
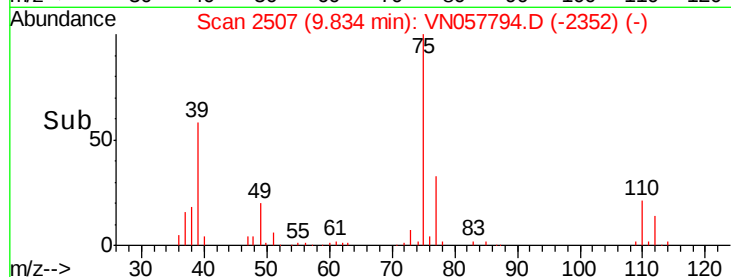
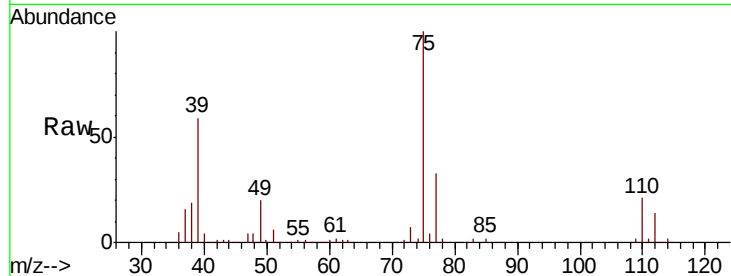
#49
 cis-1,3-Dichloropropene
 Concen: 18.169 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	146935		
77	32.6		24.6	36.8
39	58.3		45.8	68.8

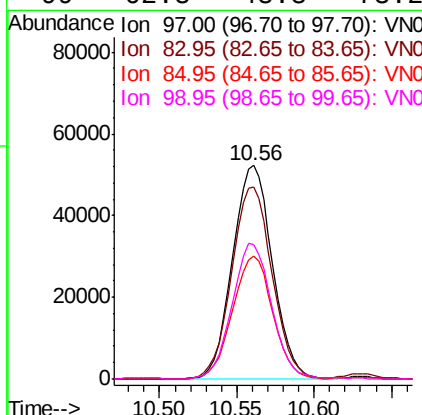
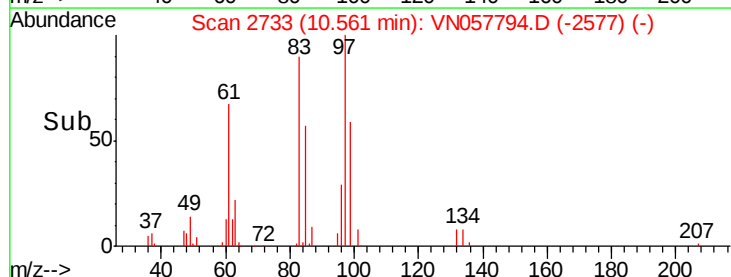
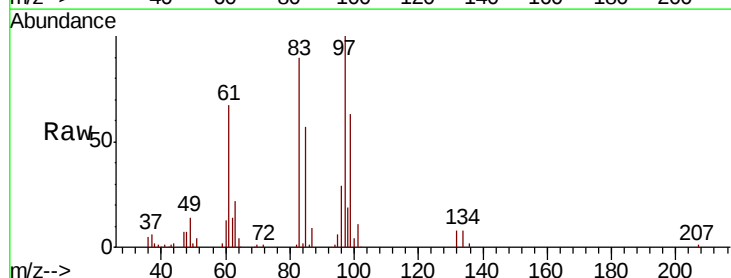
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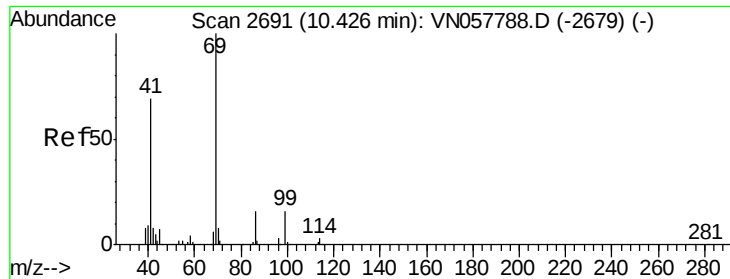
MMDadoda
 9/13/2019 11:05:00 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.215 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	93602		
83	89.7		69.4	104.2
85	57.4		45.0	67.6
99	62.8		48.8	73.2





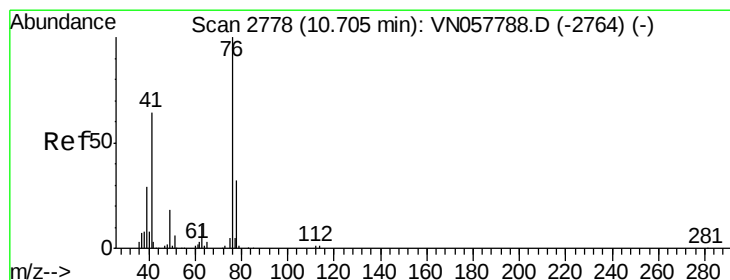
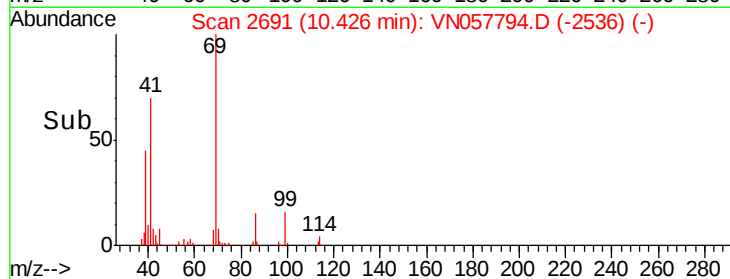
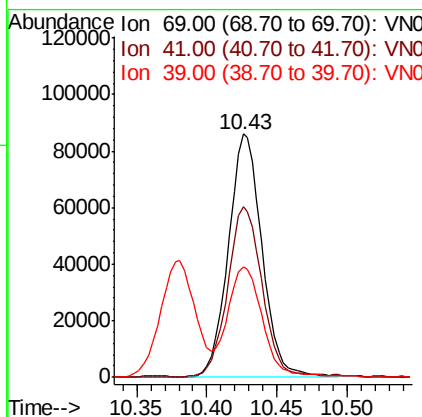
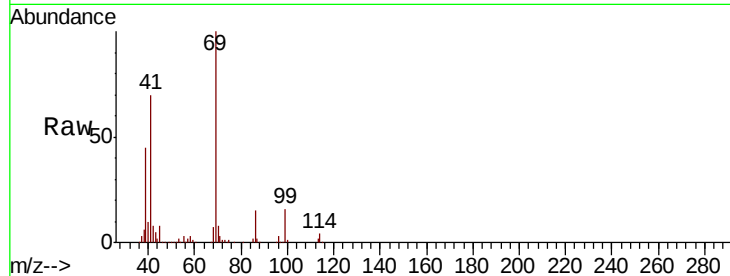
#51
Ethyl methacrylate
Concen: 19.043 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.6	34.5	103.5
39	44.9	22.4	67.3

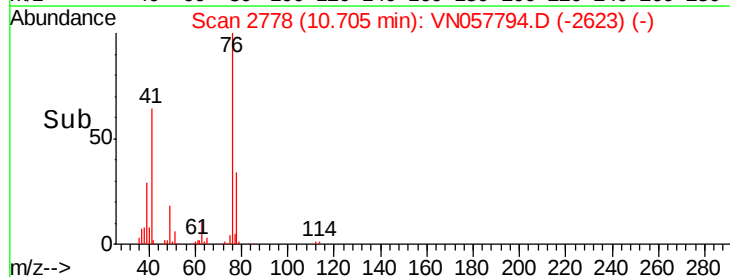
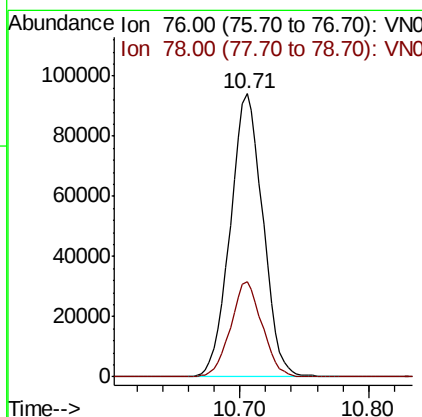
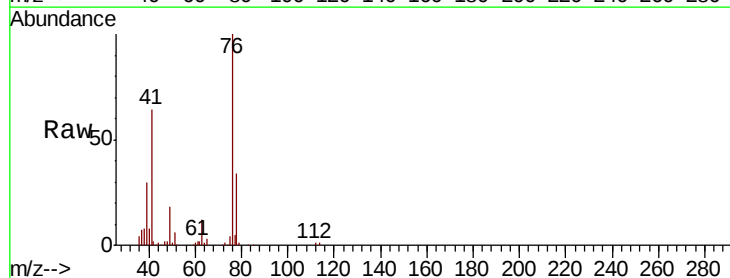
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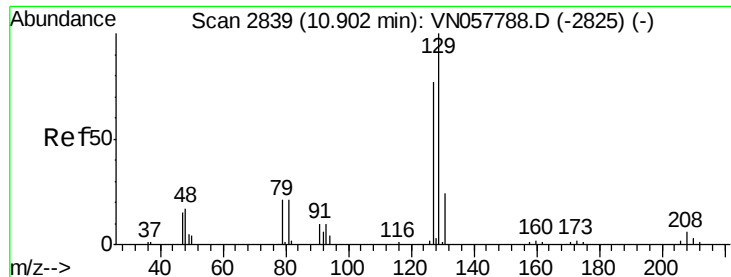
MMDadoda
9/13/2019 11:05:00 AM



#52
1,3-Dichloropropane
Concen: 19.367 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.6	0.0	63.8





#53

Dibromochloromethane

Concen: 17.387 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0909WBS01

Tgt Ion:129 Resp: 83644

Ion Ratio Lower Upper

129 100

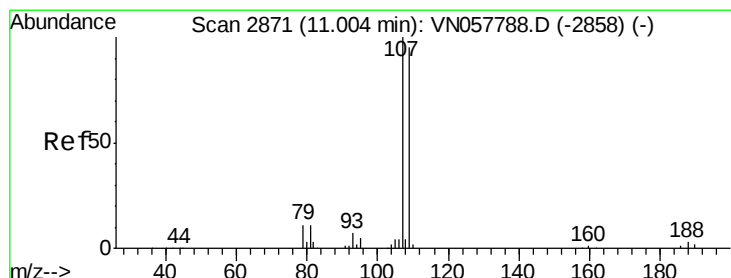
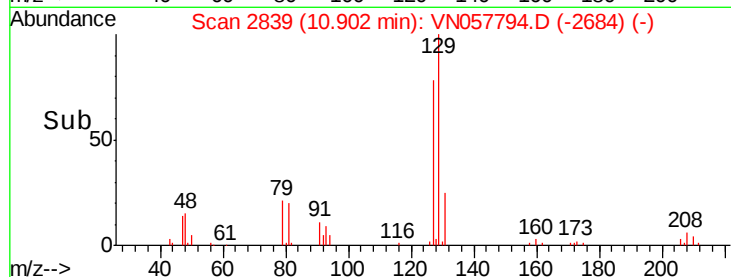
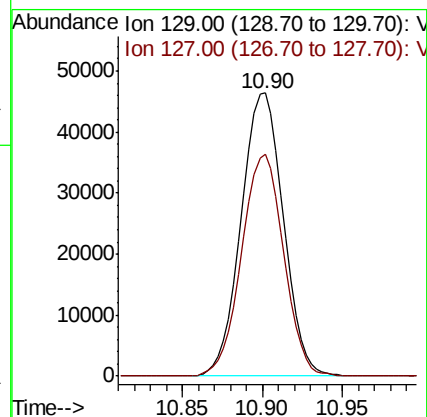
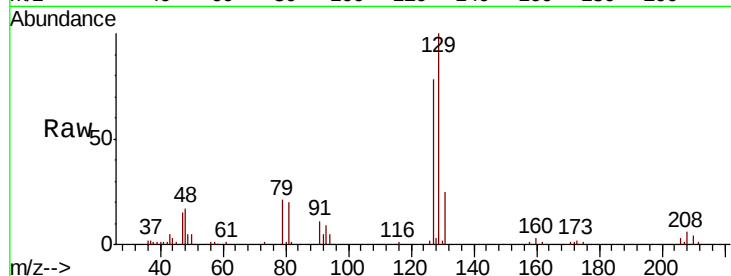
127 78.0 38.8 116.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 19.113 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN057794.D

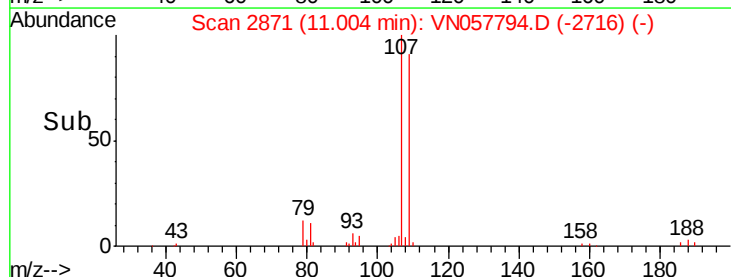
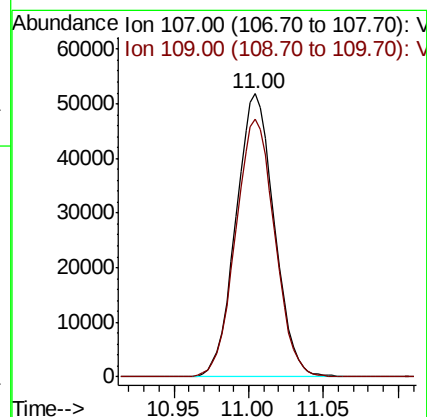
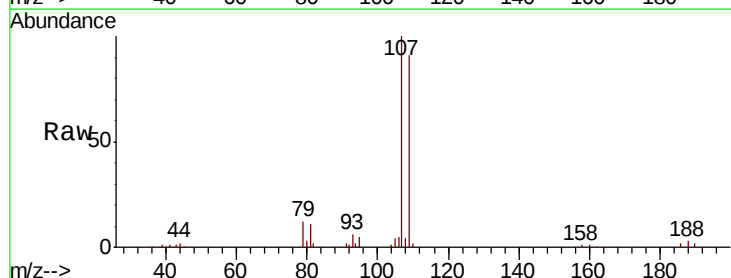
Acq: 9 Sep 2019 12:08

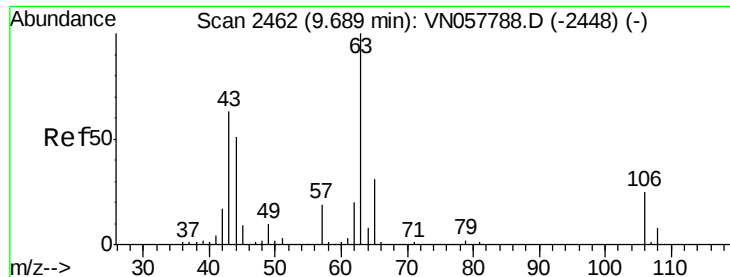
Tgt Ion:107 Resp: 92636

Ion Ratio Lower Upper

107 100

109 92.6 75.4 113.0





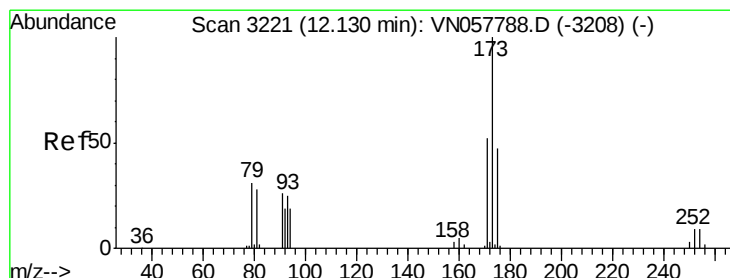
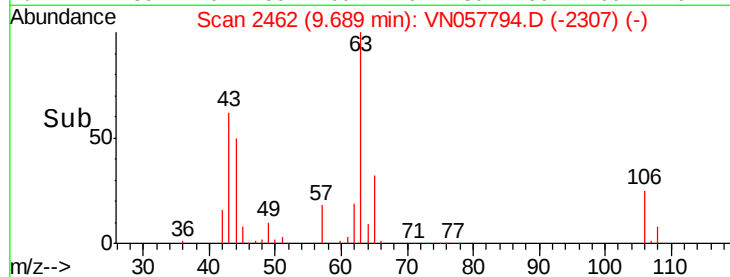
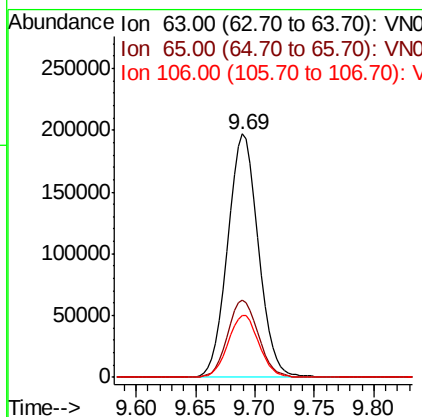
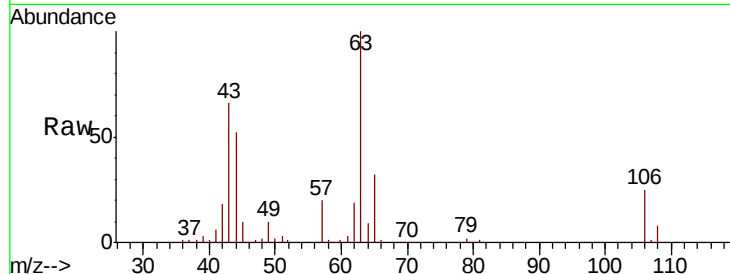
#55
 2-Chloroethyl vinyl ether
 Concen: 98.434 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion:	63	Resp:	353278
Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.0	37.6
106	25.5	19.8	29.8

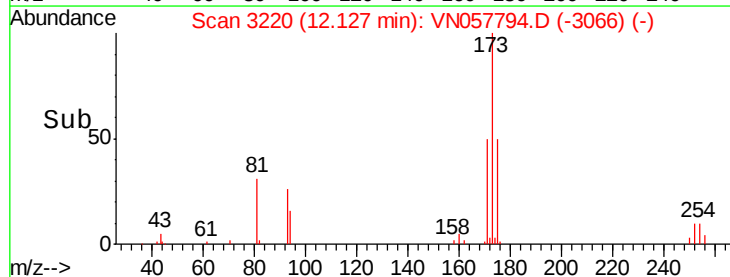
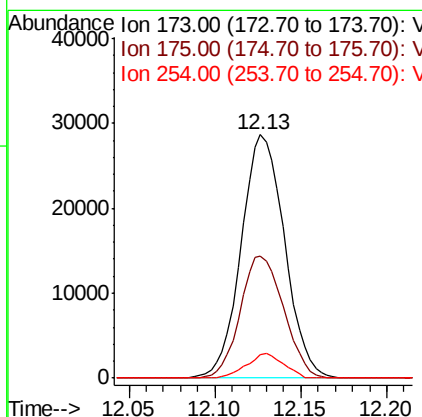
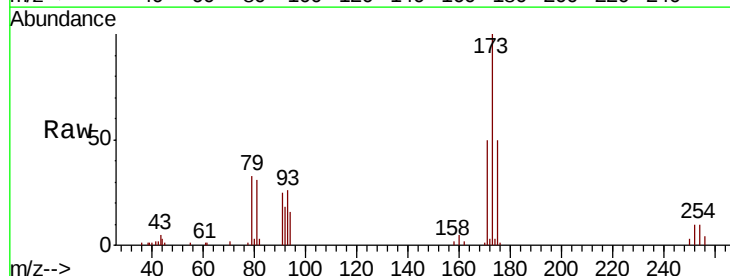
Manual Integrations
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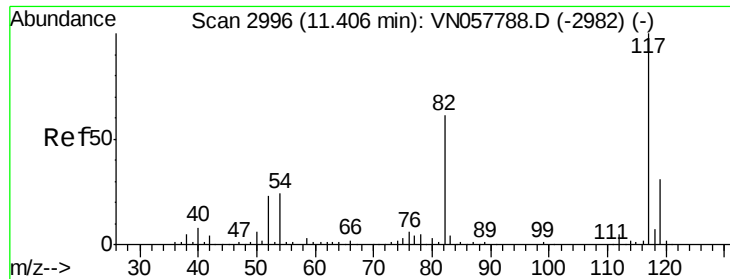
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 9/13/2019 11:05:00 AM



#56
 Bromoform
 Concen: 16.836 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion:	173	Resp:	50175
Ion	Ratio	Lower	Upper
173	100		
175	50.1	38.4	57.6
254	8.6	6.9	10.3





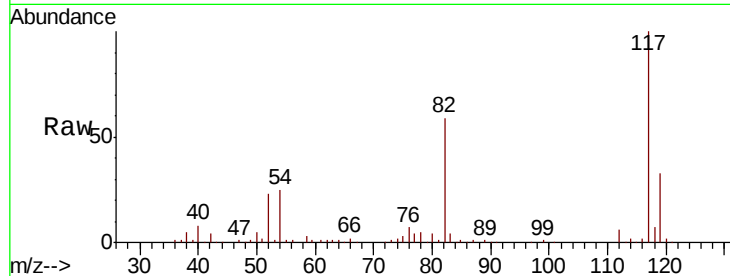
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	369263		
82	59.0	47.6	71.4	
119	32.6	25.4	38.2	

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9/13/2019 11:05:00 AM

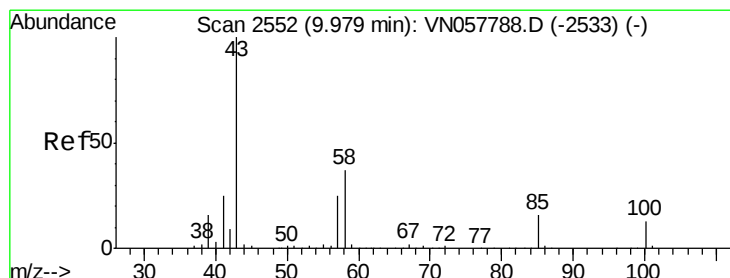
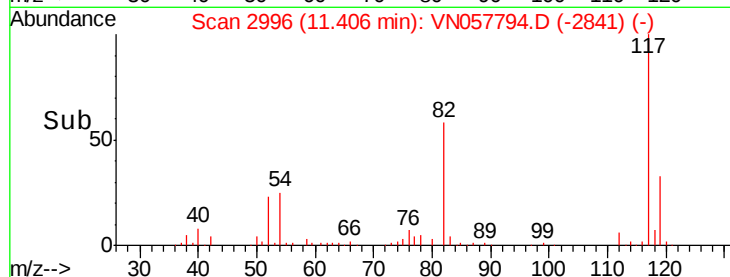
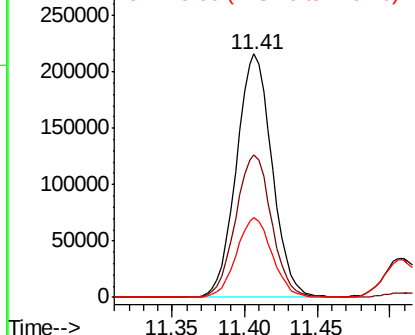


Abundance

Ion 117.00 (116.70 to 117.70): V

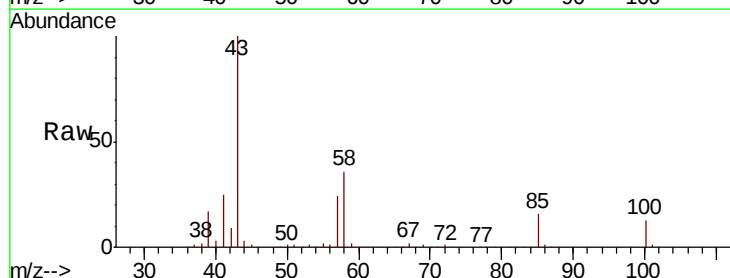
Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#58
4-Methyl-2-Pentanone
Concen: 109.809 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	628818		
58	37.0	29.4	44.0	
85	16.6	12.9	19.3	

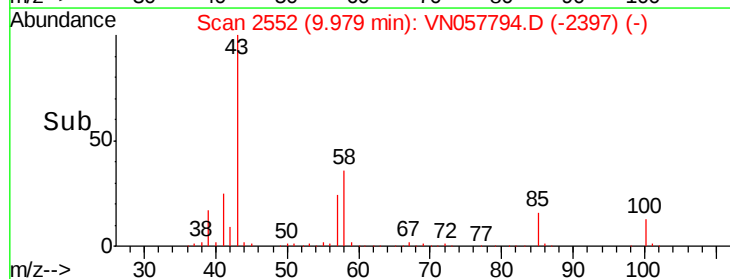
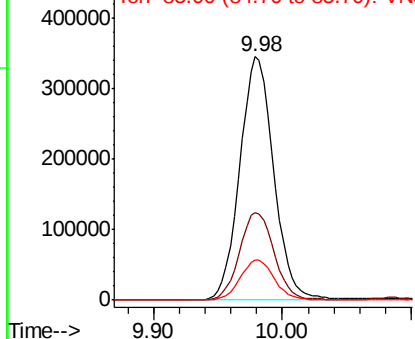


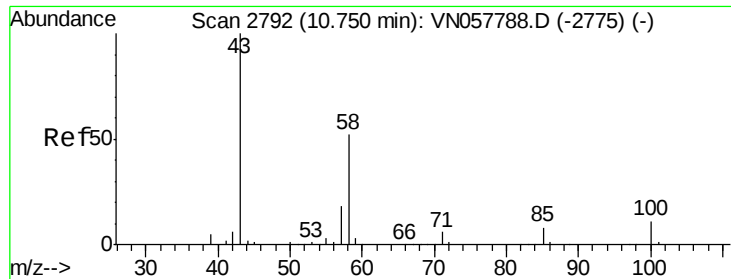
Abundance

Ion 43.00 (42.70 to 43.70): V

Ion 58.00 (57.70 to 58.70): V

Ion 85.00 (84.70 to 85.70): V





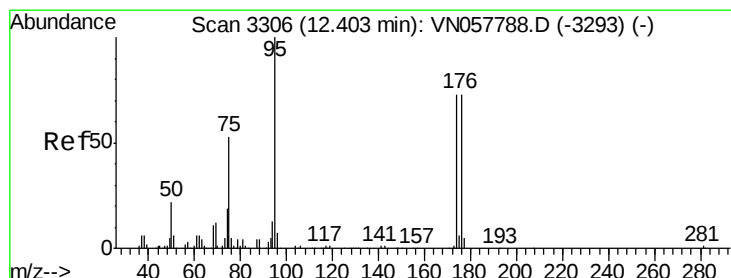
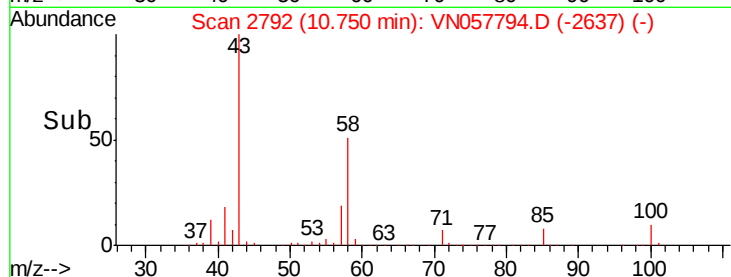
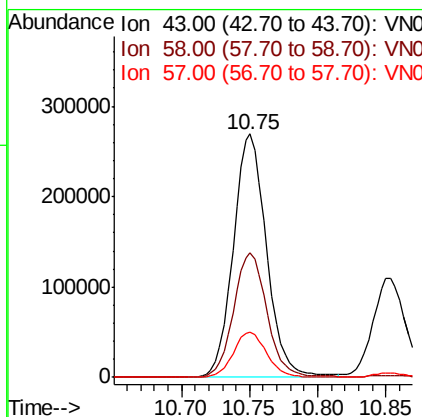
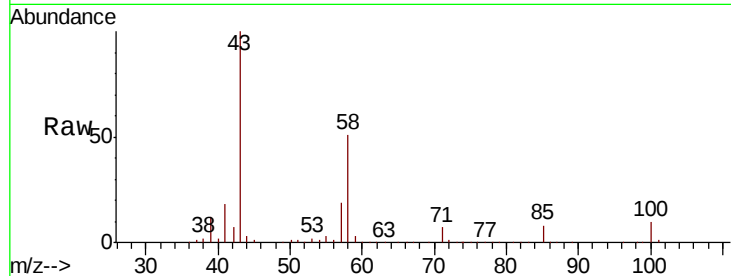
#59
2-Hexanone
Concen: 105.415 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.7	40.6	61.0
57	18.7	14.5	21.7

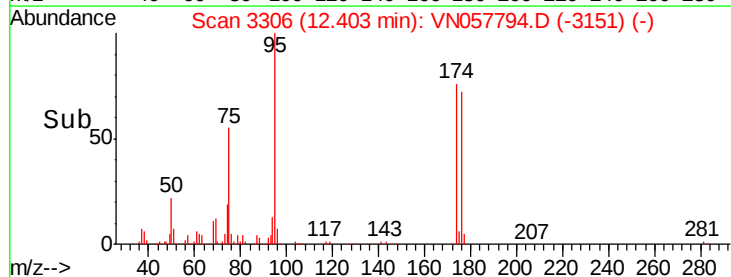
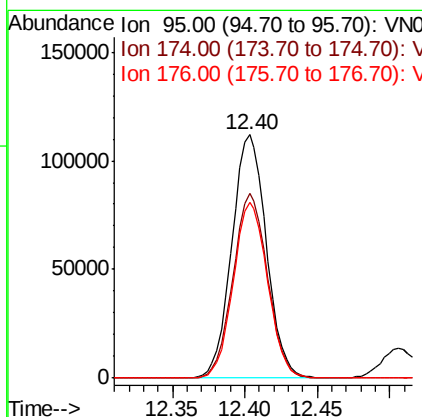
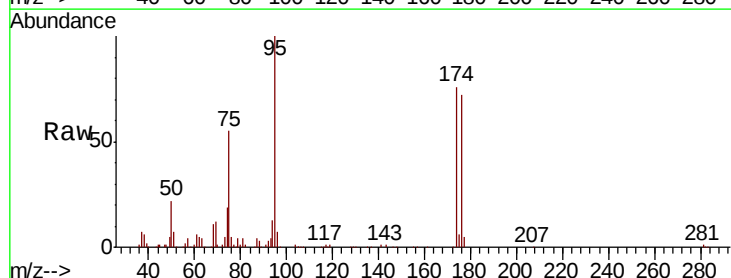
Manual Integrations
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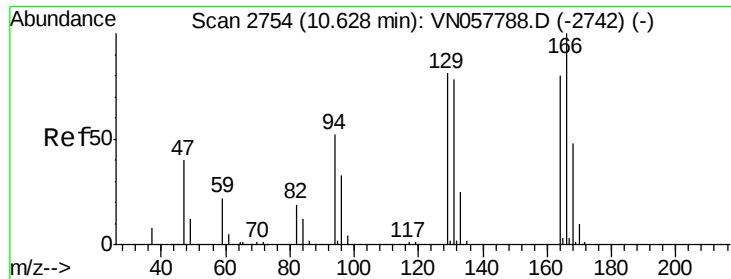
MMDadoda
9/13/2019 11:05:00 AM



#60
4-Bromofluorobenzene
Concen: 29.263 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.7	59.4	89.0
176	71.9	57.4	86.0





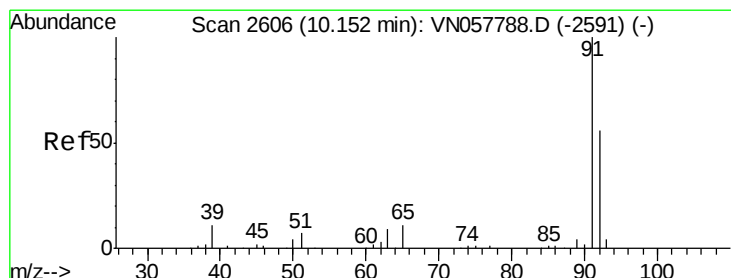
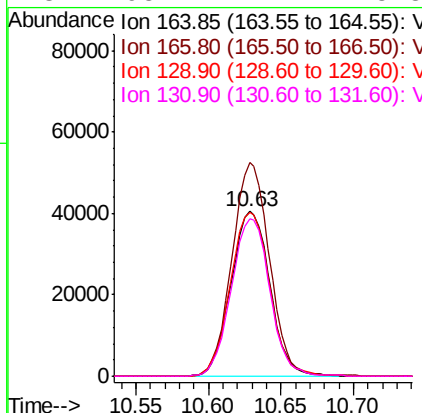
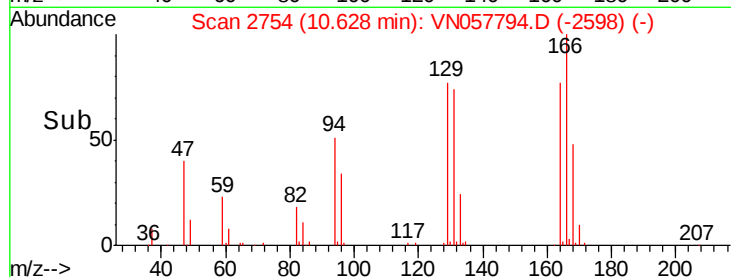
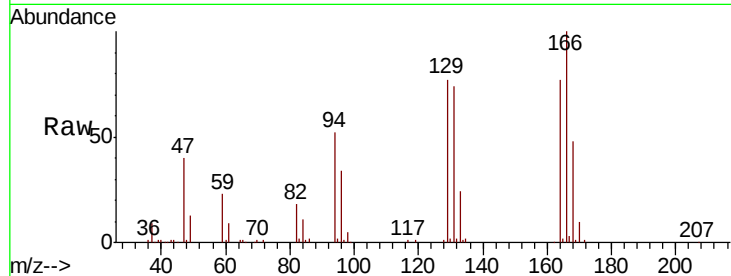
#61
Tetrachloroethene
Concen: 20.187 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	129.6	75790	99.6	149.4
129	99.6		80.9	121.3
131	95.4		77.2	115.8

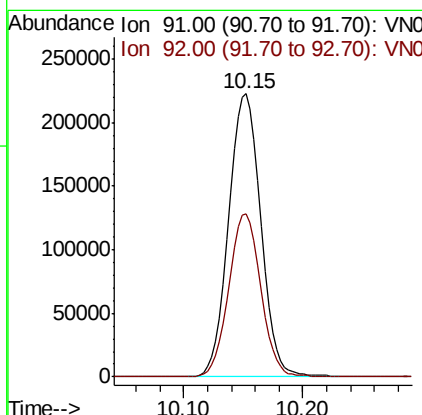
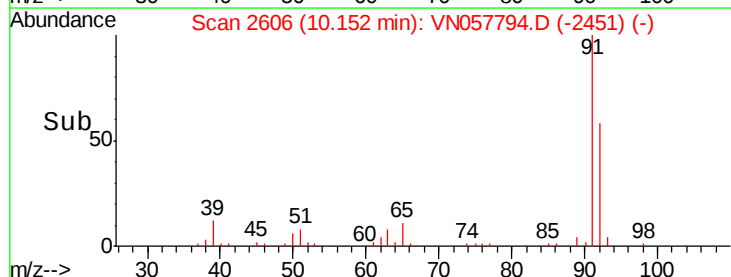
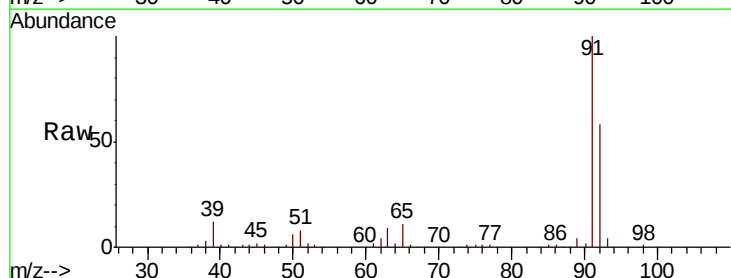
Manual Integrations
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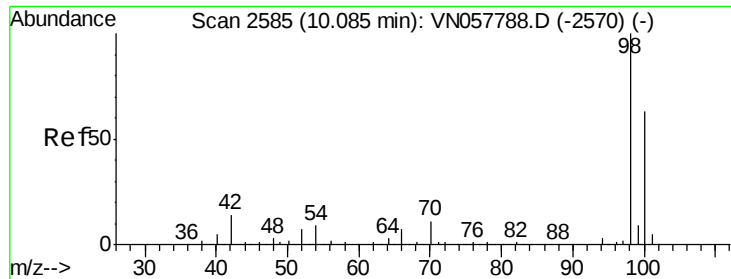
MMDadoda
9/13/2019 11:05:00 AM



#62
Toluene
Concen: 20.482 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	418795		
92	57.4		44.9	67.3





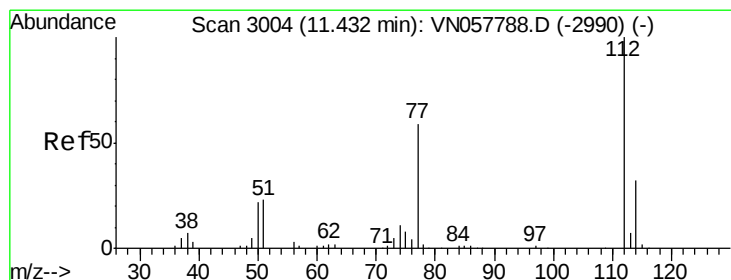
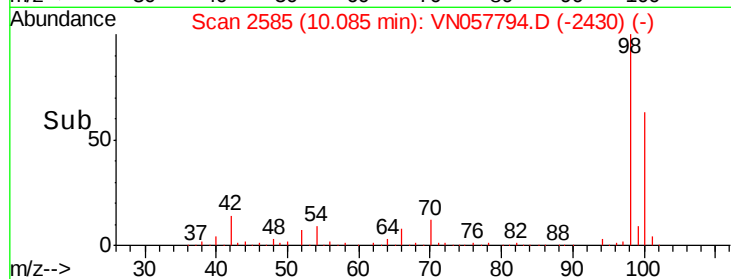
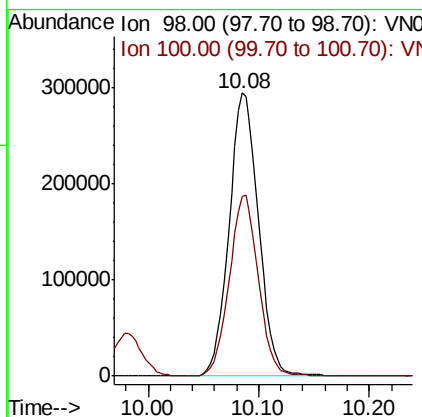
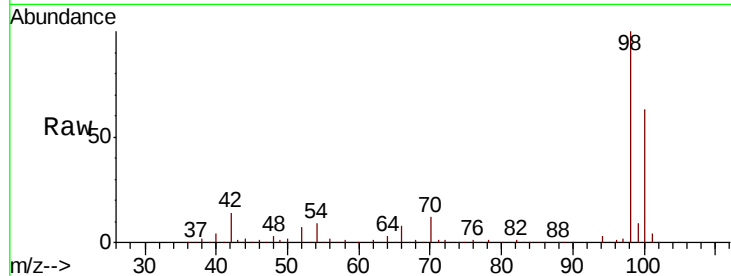
#63
Toluene-d8
Concen: 30.655 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion: 98 Resp: 543320
Ion Ratio Lower Upper
98 100
100 62.8 50.3 75.5

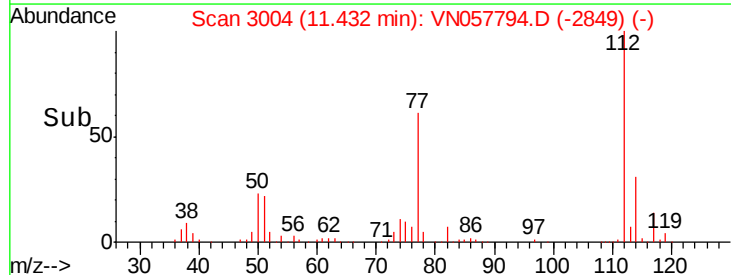
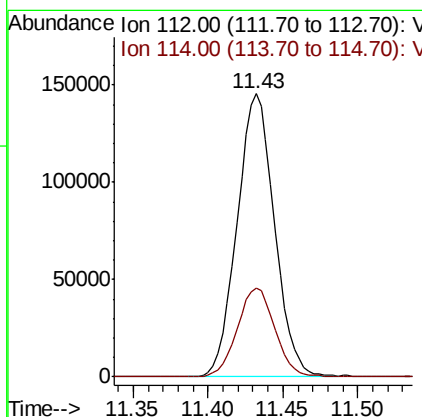
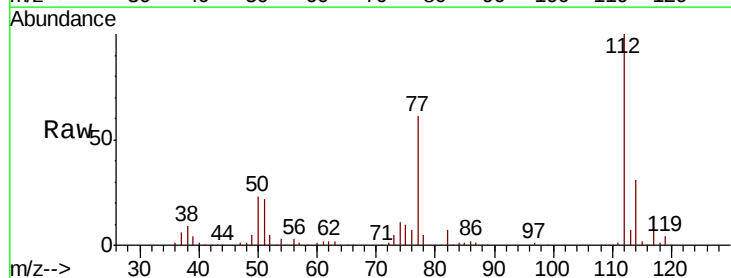
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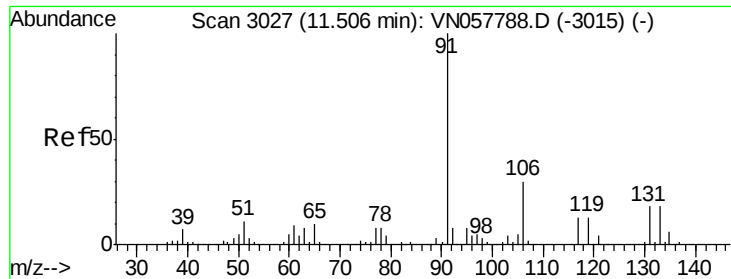
MMDadoda
9/13/2019 11:05:00 AM



#64
Chlorobenzene
Concen: 19.970 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion: 112 Resp: 253299
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0





#65

1,1,1,2-Tetrachloroethane

Concen: 19.494 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

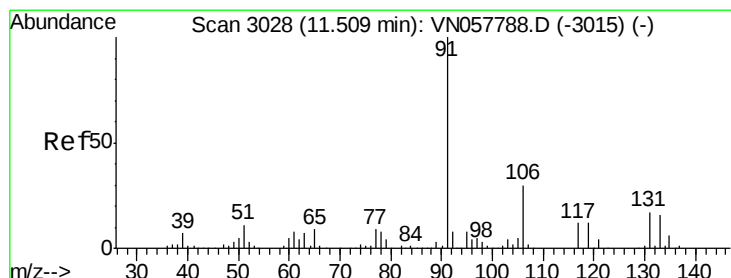
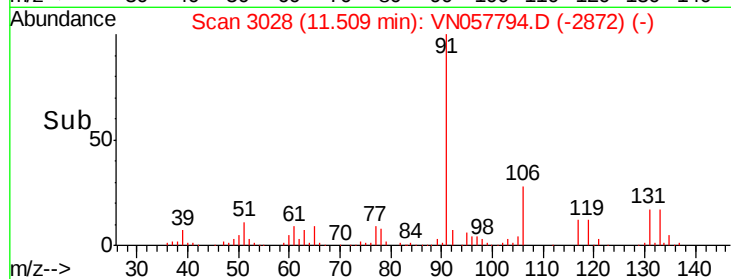
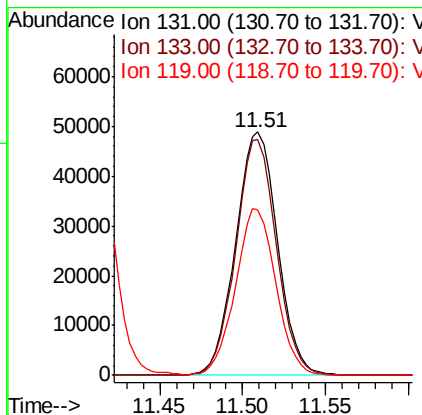
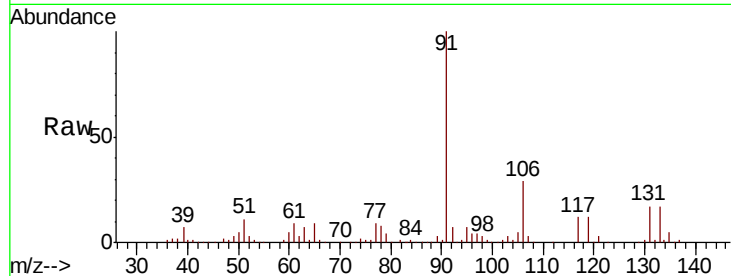
ClientSampled :

VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	85851		
133	94.1	0.0	189.2	
119	66.0	0.0	136.4	

Manual Integrations
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MMDadoda
9/13/2019 11:05:00 AM



#66

Ethyl Benzene

Concen: 21.010 ug/l

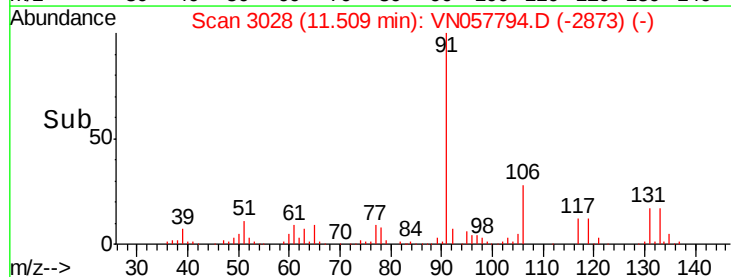
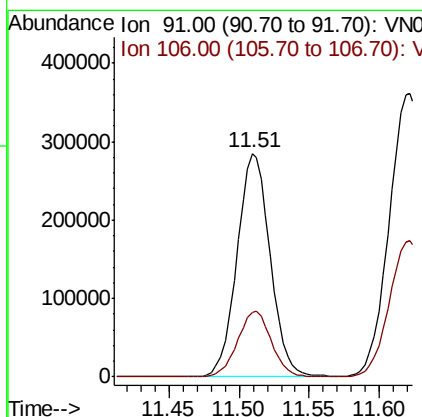
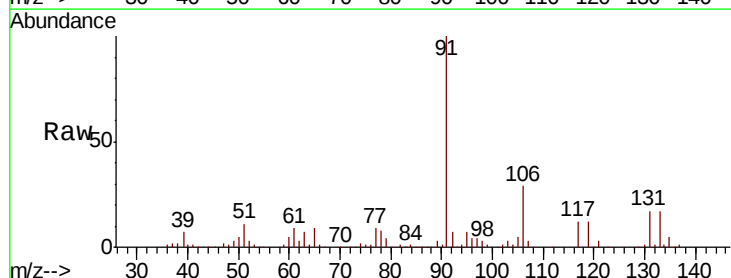
RT: 11.51 min Scan# 3028

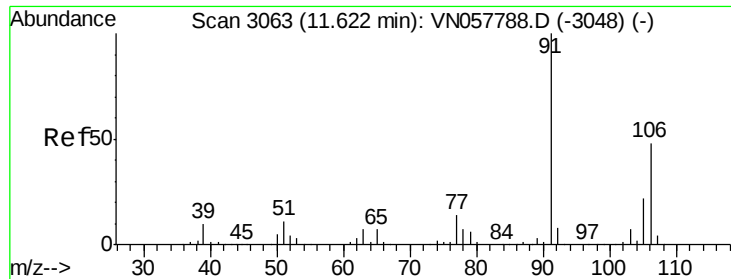
Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	468835		
106	29.0	24.0	36.0	





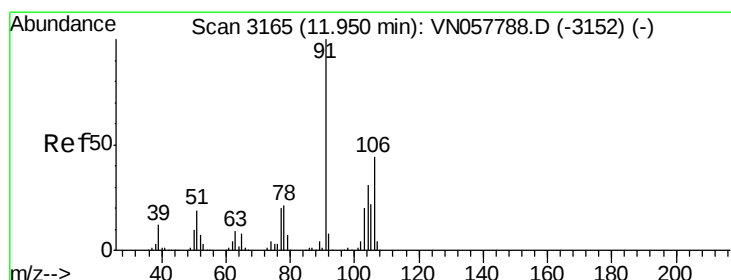
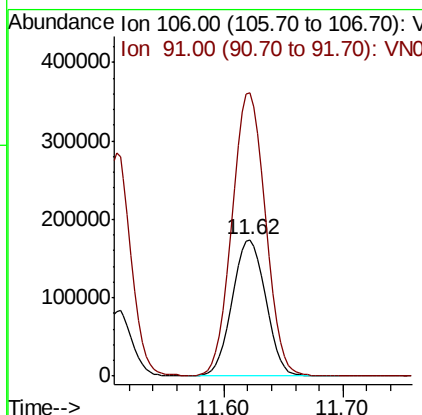
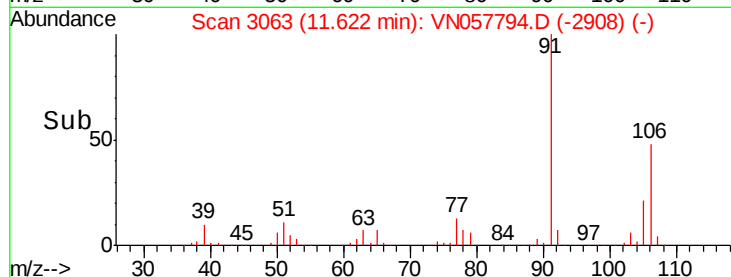
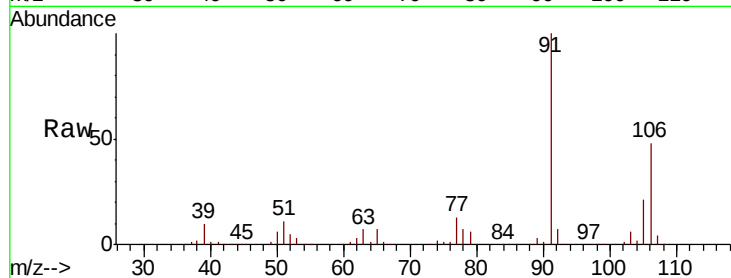
#67
m/p-Xylenes
Concen: 40.010 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tgt Ion:106 Resp: 340774
Ion Ratio Lower Upper
106 100
91 207.0 166.1 249.1

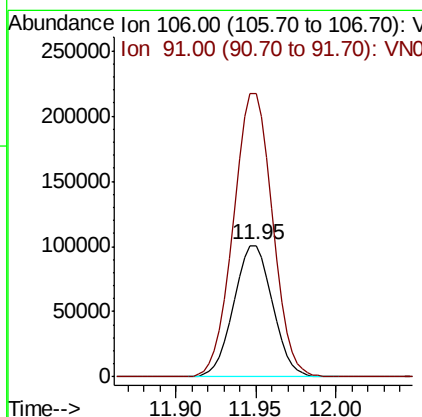
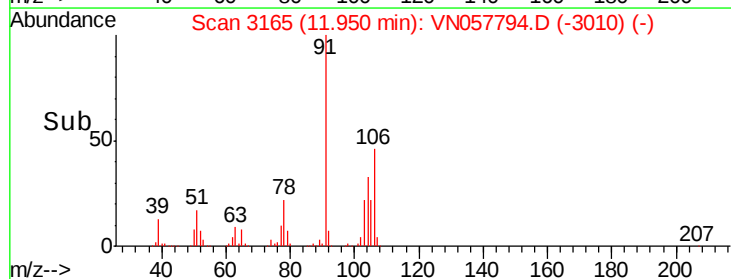
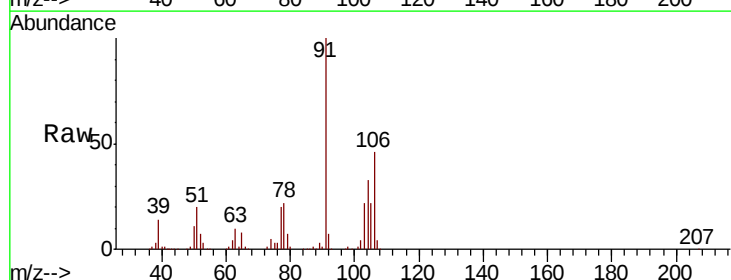
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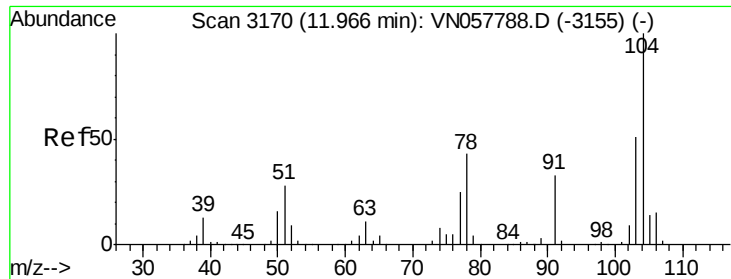
MMDadoda
9/13/2019 11:05:00 AM



#68
o-Xylene
Concen: 19.927 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion:106 Resp: 166270
Ion Ratio Lower Upper
106 100
91 217.4 111.5 334.4





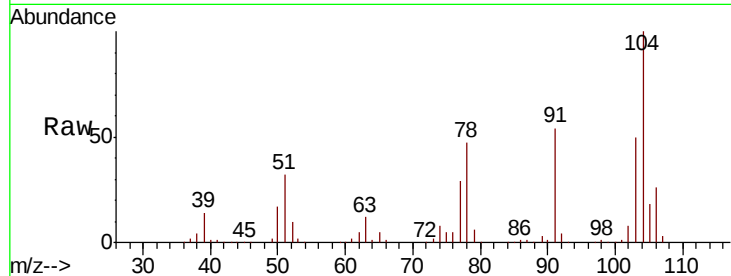
#69
Styrene
Concen: 19.707 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampled :
VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	280364		
78	52.5	41.5	62.3	
103	54.8	44.8	67.2	

Manual Integrations
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MMDadoda
9/13/2019 11:05:00 AM

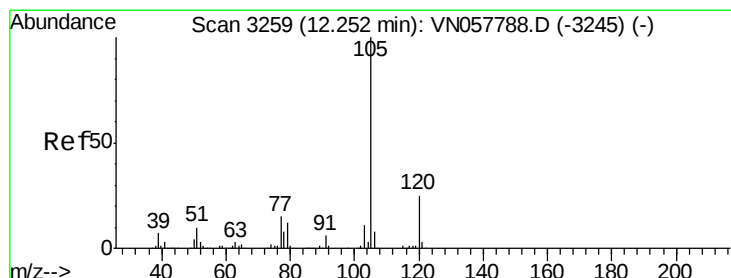
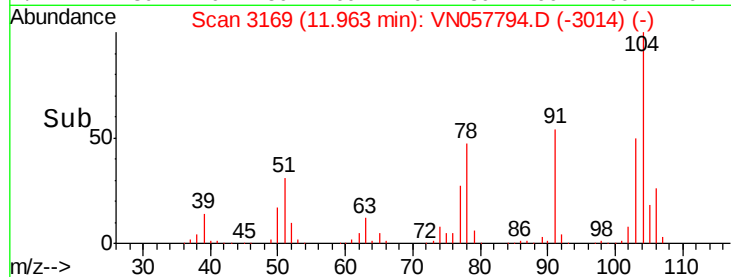
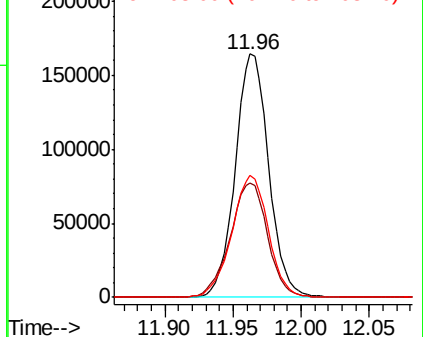


Abundance

Ion 104.00 (103.70 to 104.70): V

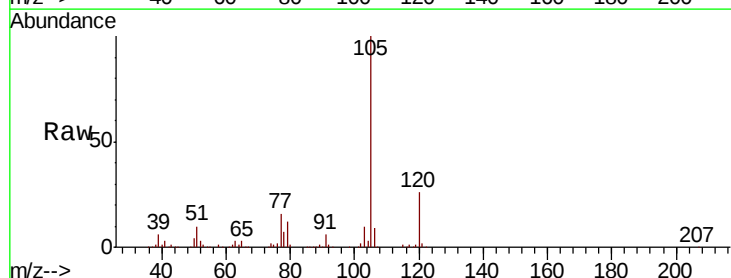
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.701 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

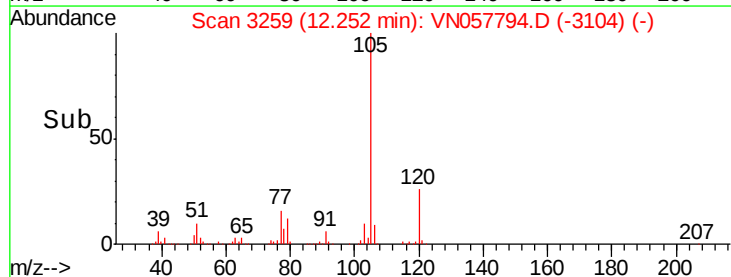
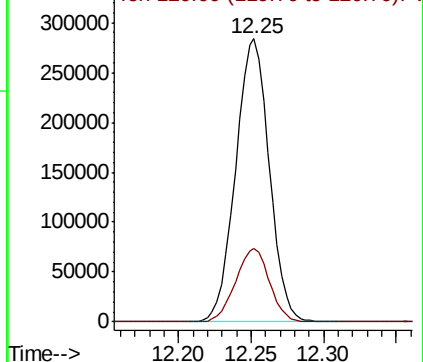
Tgt Ion	Ratio	Resp	Lower	Upper
105	100	456645		
120	26.0	17.6	32.6	

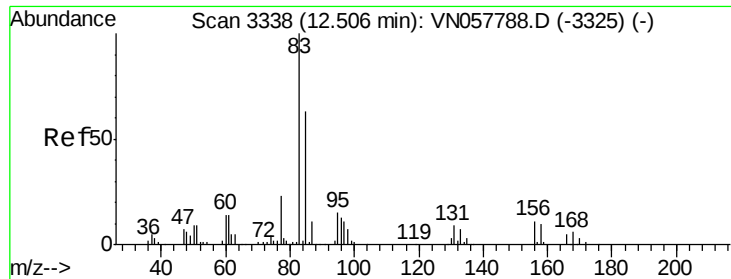


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





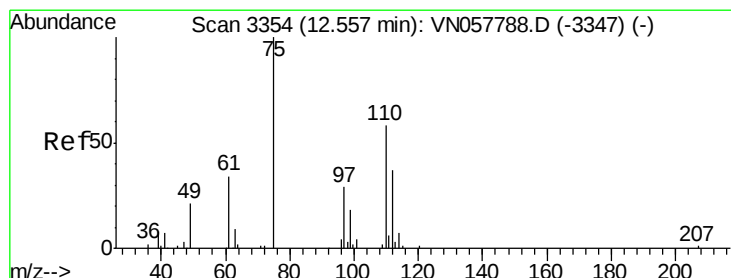
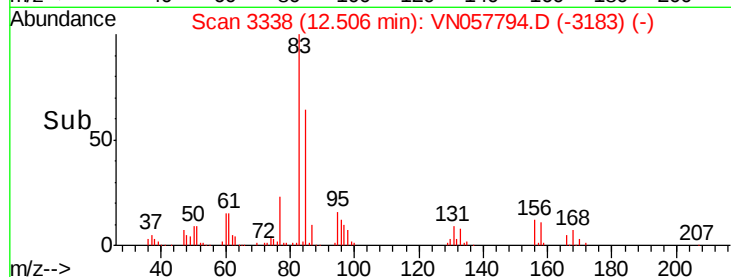
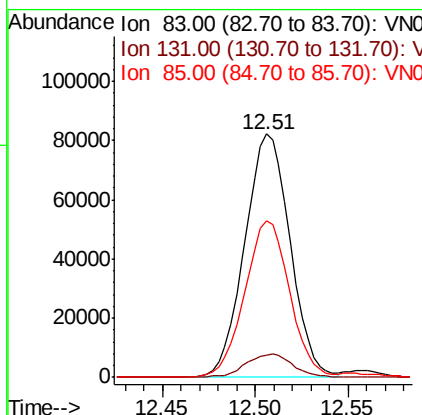
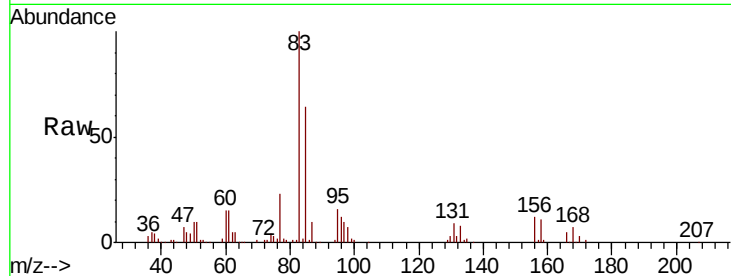
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.250 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	139608		
131	9.9	4.9	14.6	
85	63.4	32.1	96.3	

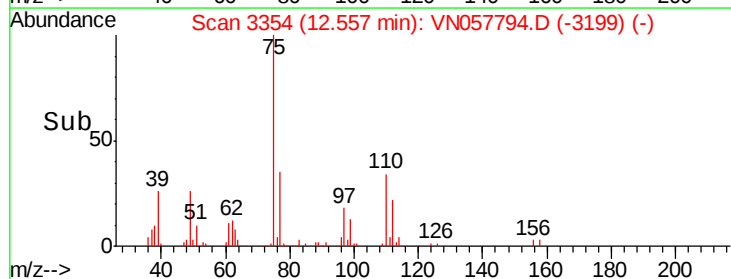
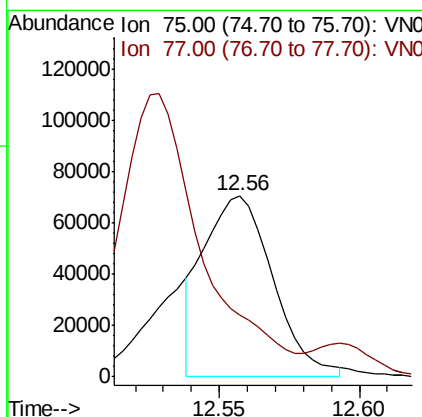
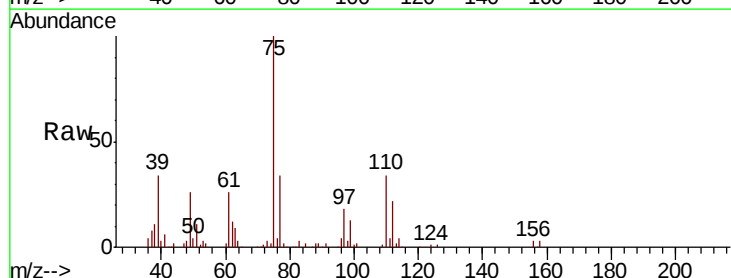
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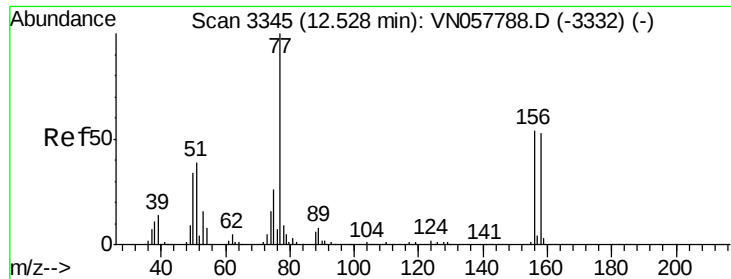
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 9/13/2019 11:05:00 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.733 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120744		
77	188.6	0.0	351.6	





#73

Bromobenzene

Concen: 19.718 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

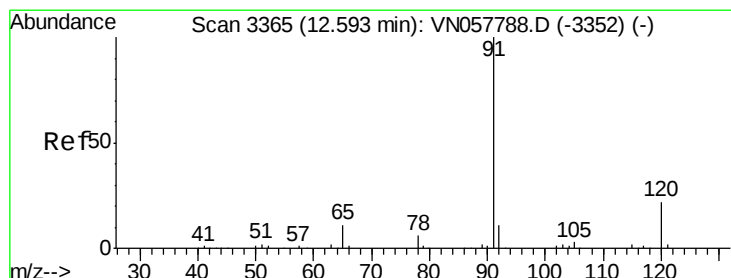
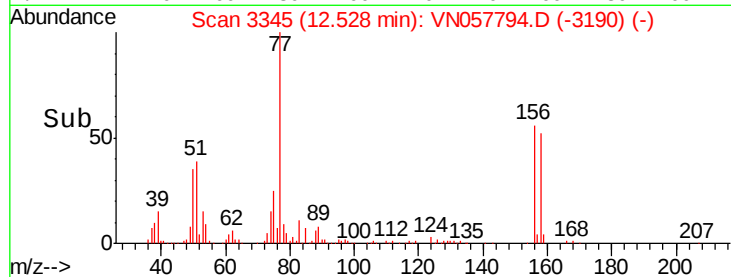
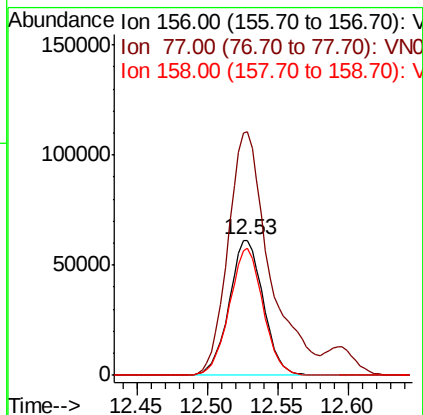
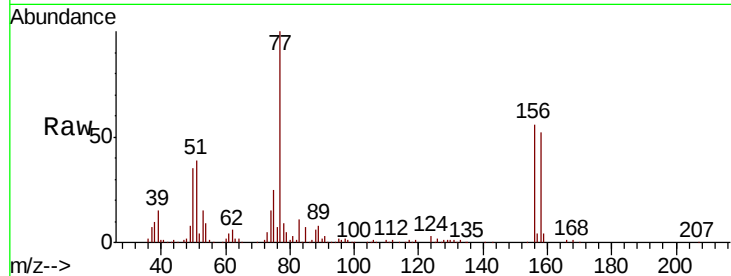
ClientSampled :

VN0909WBS01

Tgt Ion:	156	Resp:	104135
Ion Ratio	Lower	Upper	
156	100		
77	218.7	0.0	446.6
158	92.3	0.0	197.2

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#74

n-propylbenzene

Concen: 21.080 ug/l

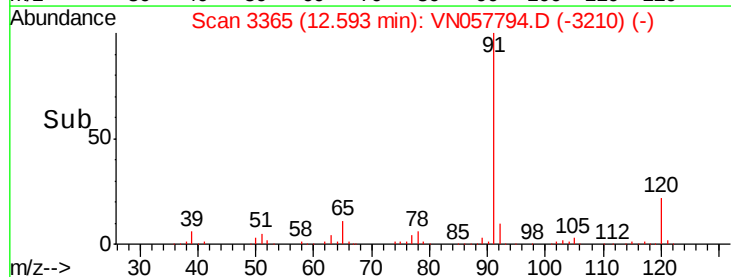
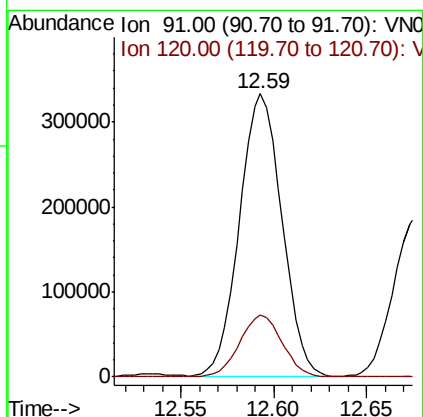
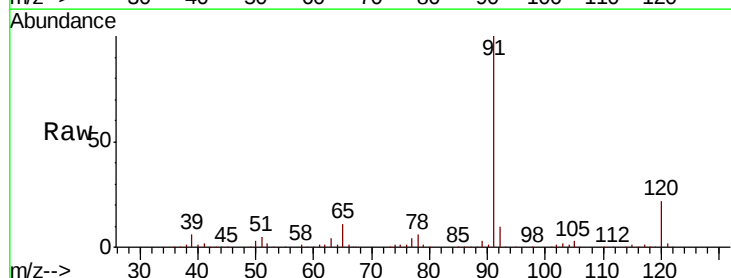
RT: 12.59 min Scan# 3365

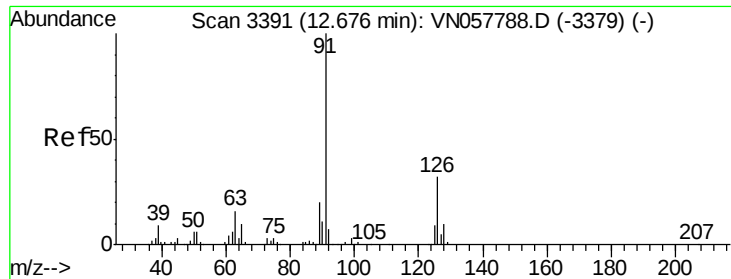
Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Tgt Ion:	91	Resp:	531280
Ion Ratio	Lower	Upper	
91	100		
120	21.8	0.0	43.4





#75

2-Chlorotoluene

Concen: 20.001 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

ClientSampled :

VN0909WBS01

Tgt Ion: 91 Resp: 313973

Ion Ratio Lower Upper

91 100

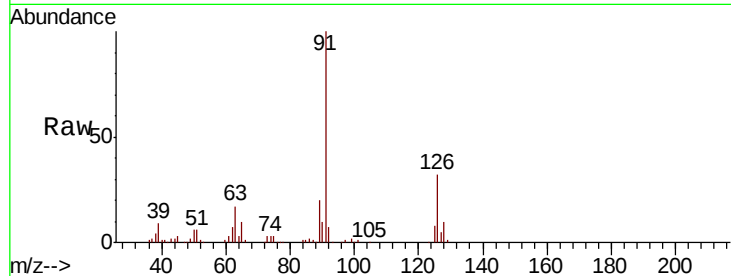
126 32.4 0.0 64.8

Manual Integrations

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9/13/2019 11:05:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057788.D (-3379) (-)

Ion 126.00 (125.70 to 126.70): VN057788.D (-3379) (-)

300000

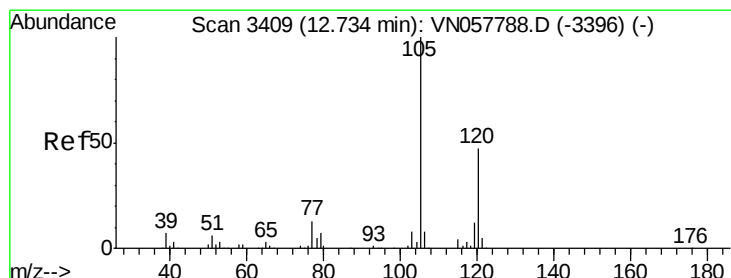
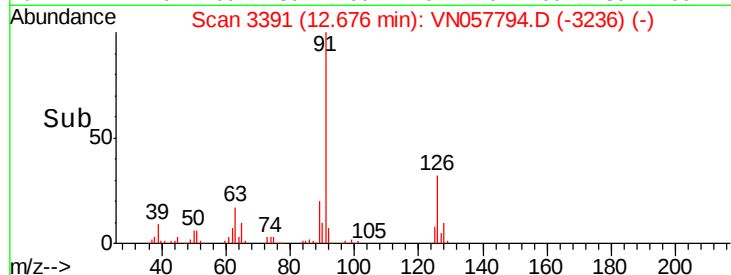
200000

100000

0

12.60 12.65 12.70

Time-->



#76

1,3,5-Trimethylbenzene

Concen: 20.270 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057794.D

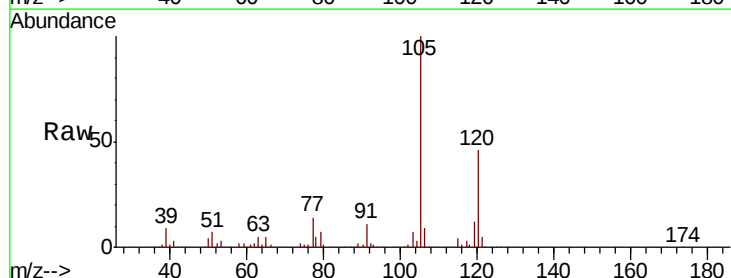
Acq: 9 Sep 2019 12:08

Tgt Ion: 105 Resp: 380748

Ion Ratio Lower Upper

105 100

120 46.9 0.0 94.4



Abundance Ion 105.00 (104.70 to 105.70): VN057788.D (-3396) (-)

Ion 120.00 (119.70 to 120.70): VN057788.D (-3396) (-)

250000

200000

150000

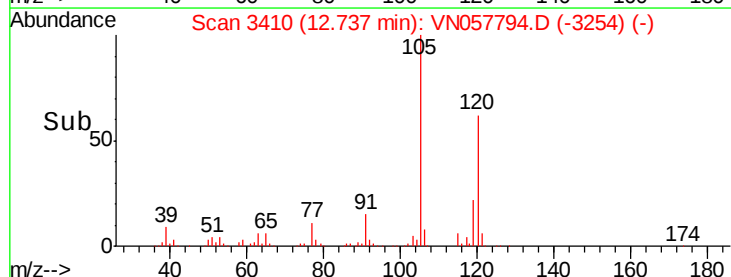
100000

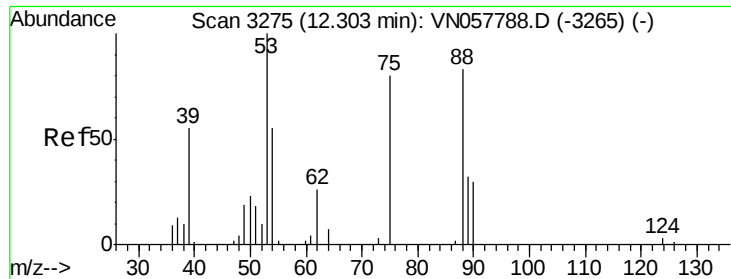
50000

0

12.65 12.70 12.75 12.80

Time-->





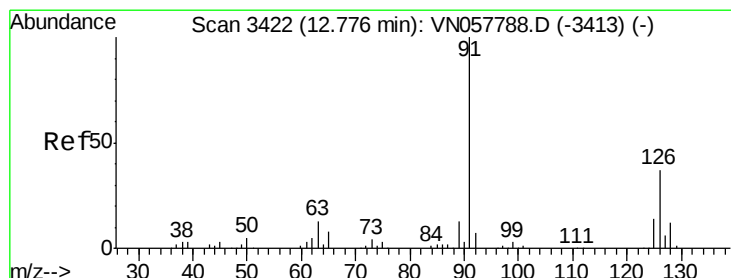
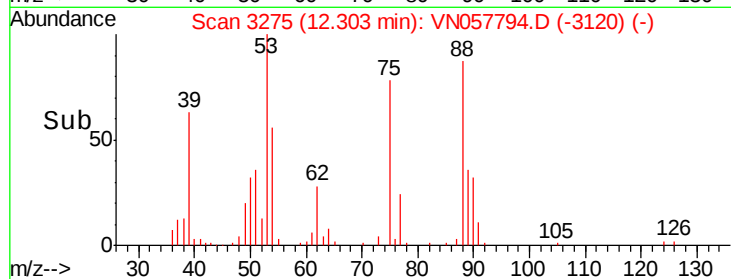
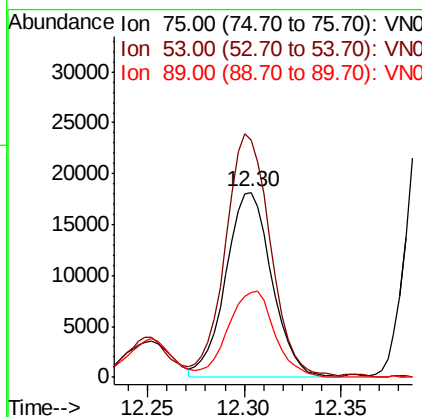
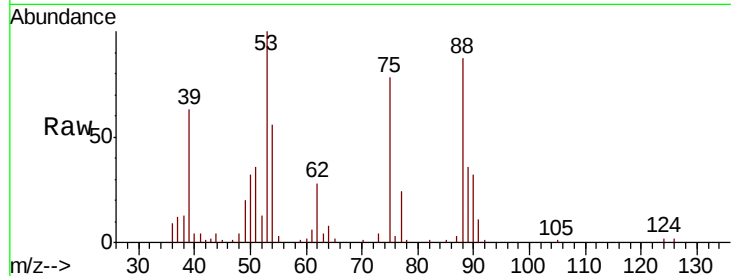
#77
t-1,4-Dichloro-2-butene
Concen: 16.584 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	126.8	62.7	188.2
89	46.1	22.8	68.3

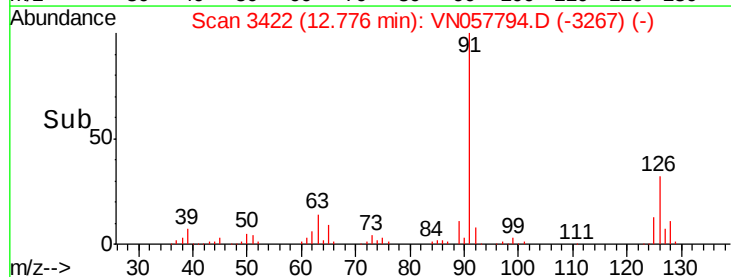
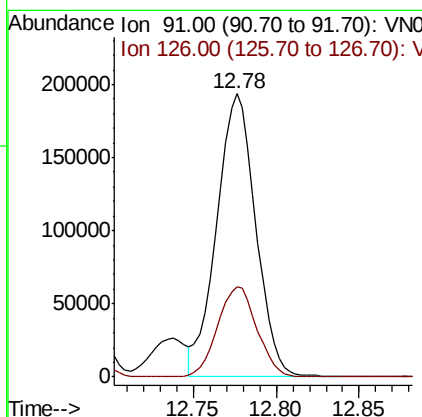
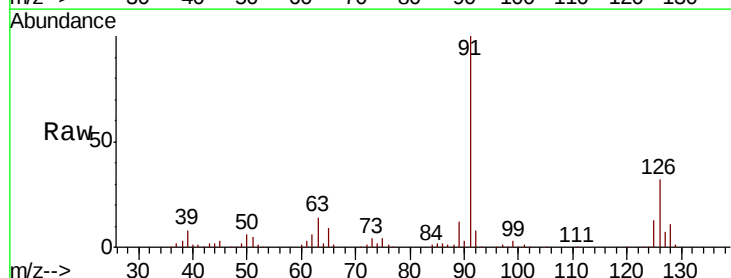
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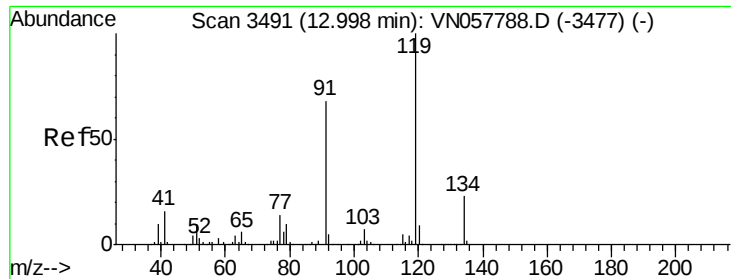
MMDadoda
9/13/2019 11:05:00 AM



#78
4-Chlorotoluene
Concen: 19.758 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	65.2





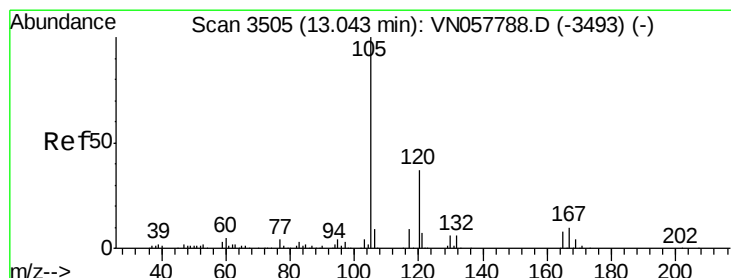
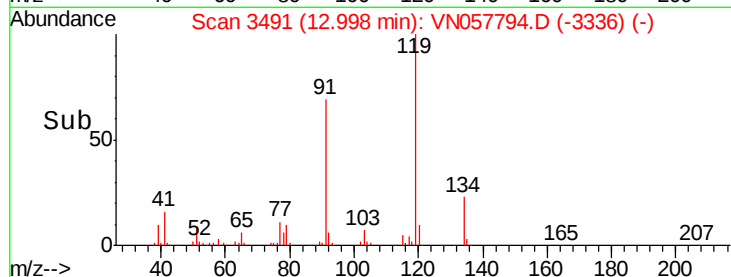
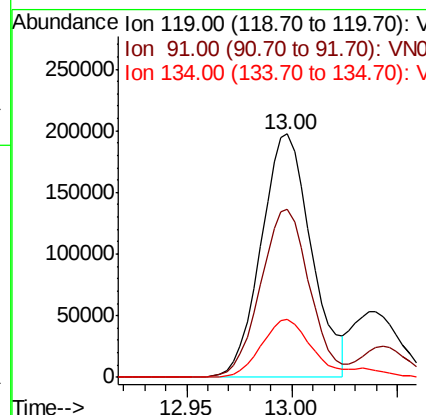
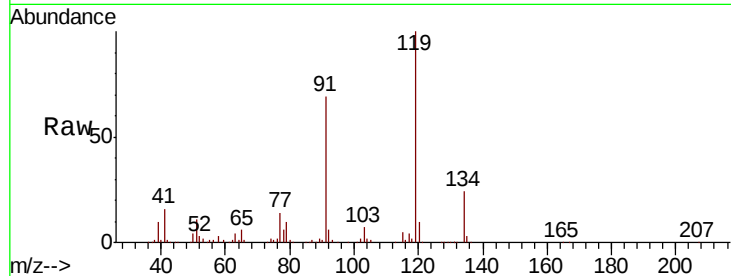
#79
tert-butylbenzene
Concen: 19.965 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	327176		
91	67.1	0.0	133.8	
134	23.4	0.0	46.4	

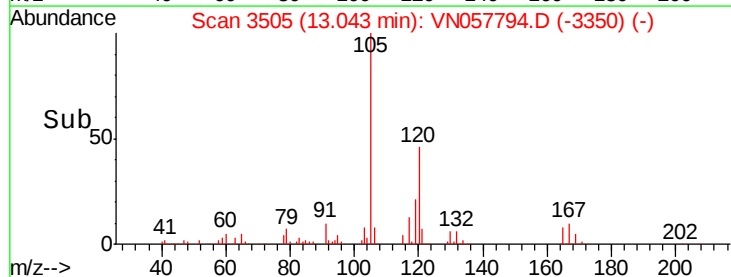
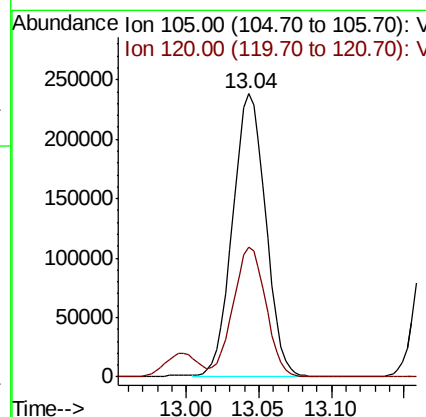
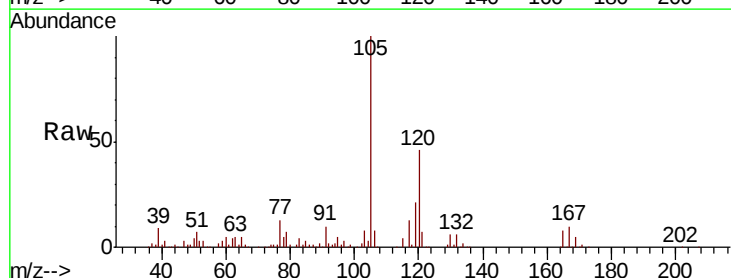
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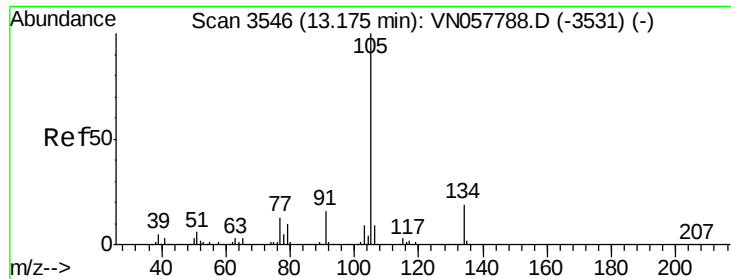
MMDadoda
9/13/2019 11:05:00 AM



#80
1,2,4-Trimethylbenzene
Concen: 20.113 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	376442		
120	45.4	0.0	87.8	





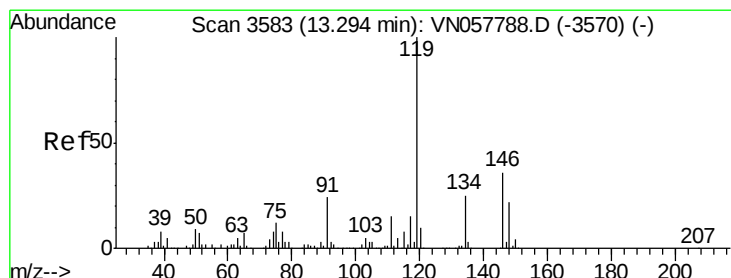
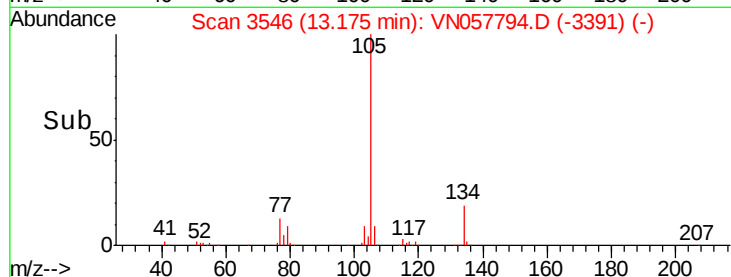
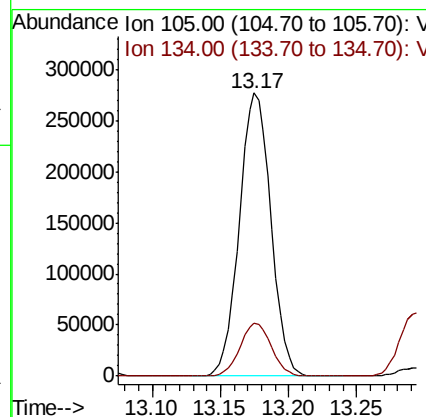
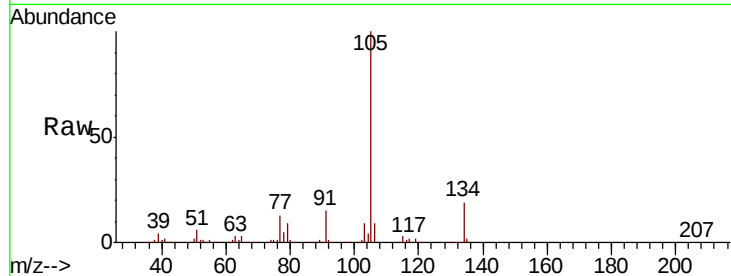
#81
 sec-Butylbenzene
 Concen: 20.361 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.7	0.0	37.6

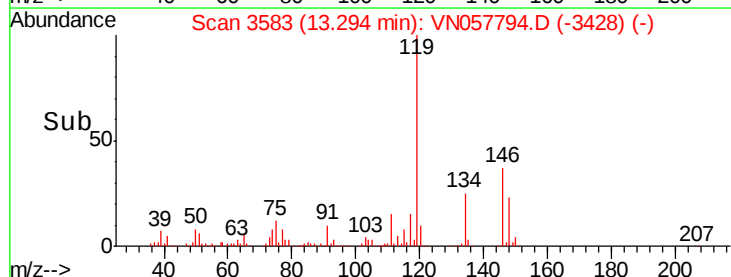
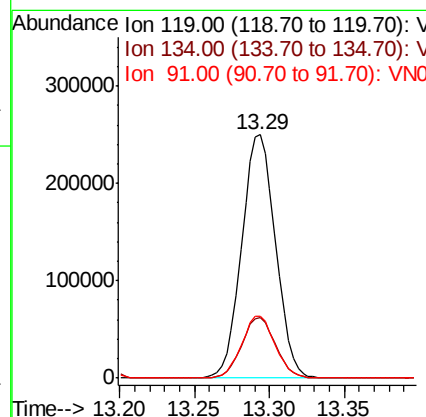
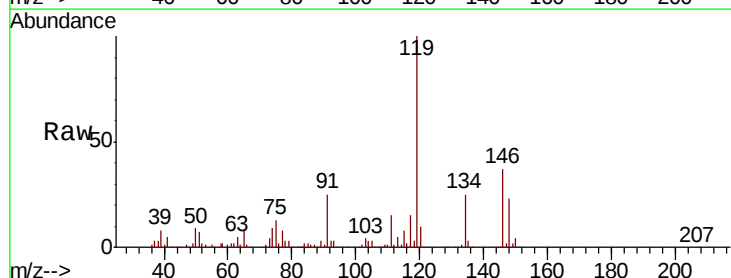
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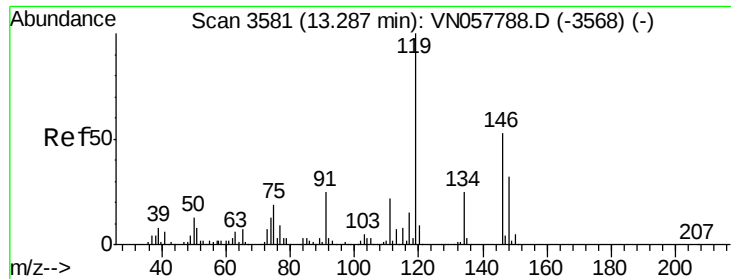
MMDadoda
 9/13/2019 11:05:00 AM



#82
 p-Isopropyltoluene
 Concen: 20.192 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	0.0	50.4
91	25.1	0.0	48.8





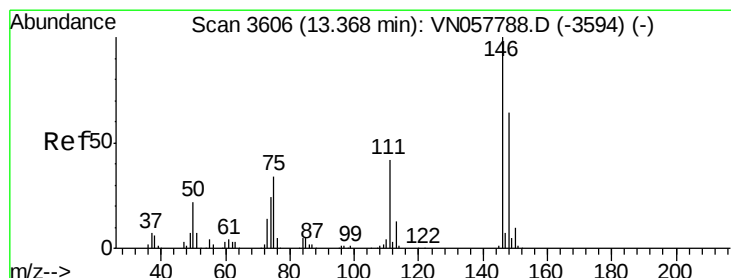
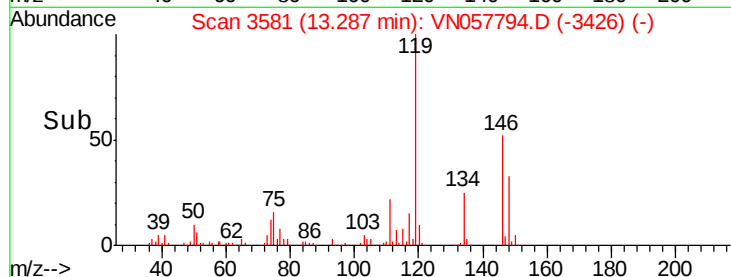
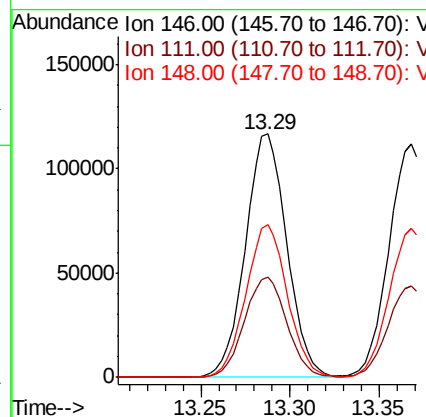
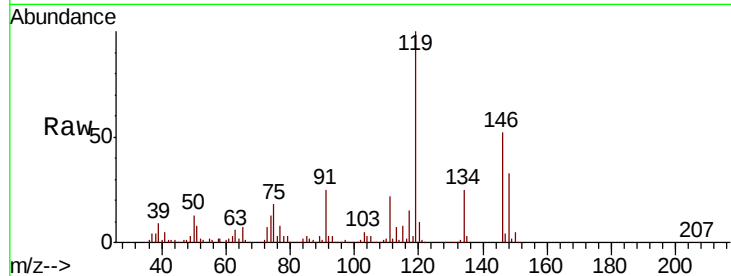
#83
 1,3-Dichlorobenzene
 Concen: 19.273 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	189188		
111	42.0	20.7	62.1	
148	63.0	30.9	92.5	

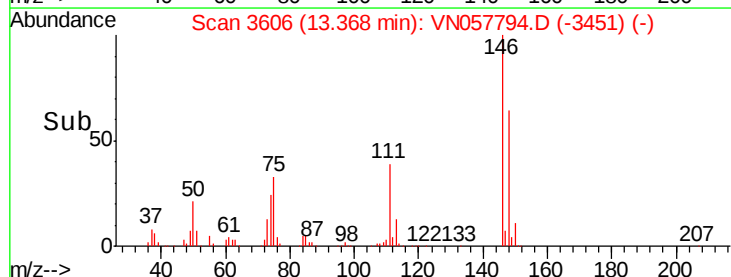
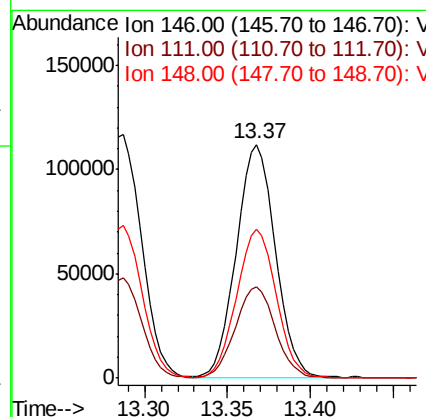
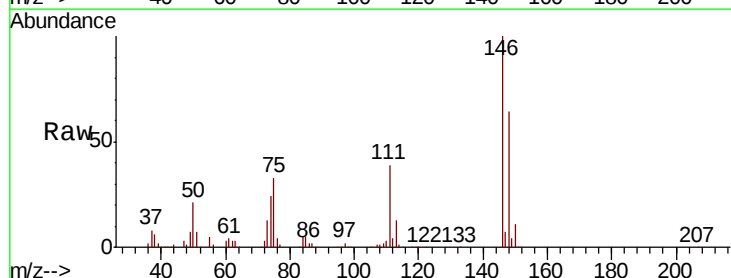
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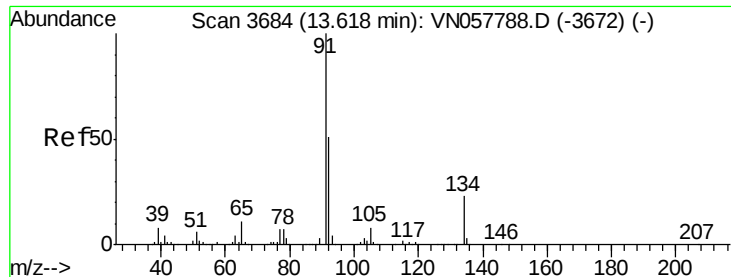
MMDadoda
 9/13/2019 11:05:00 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.960 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	183237		
111	40.3	21.1	63.4	
148	65.0	31.7	95.1	





#85

n-Butylbenzene

Concen: 19.649 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

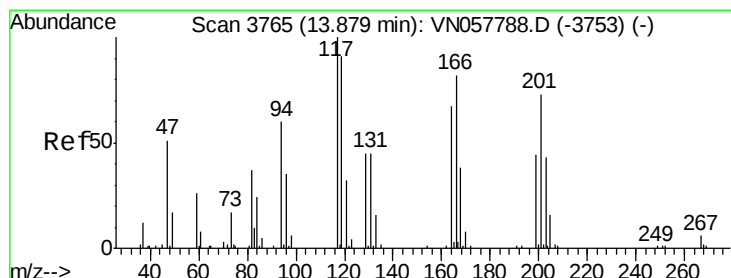
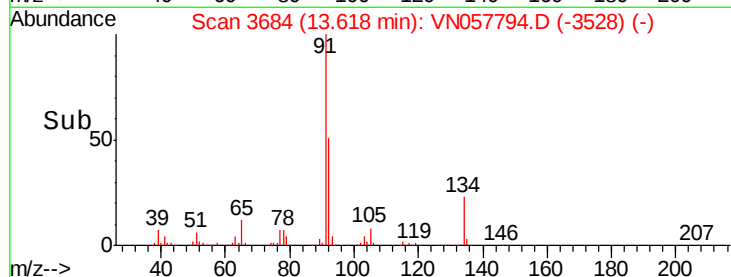
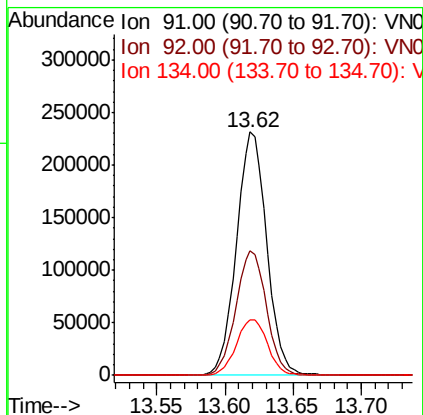
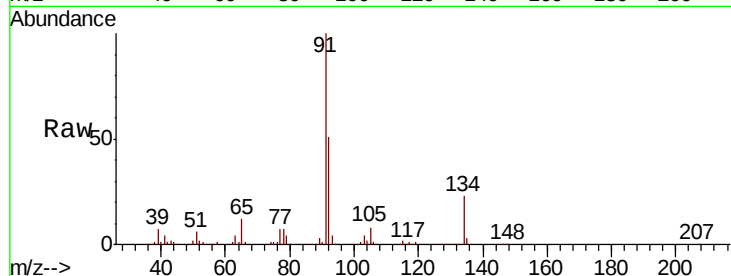
ClientSampleId :

VN0909WBS01

Tgt Ion:	91	Resp:	356573
Ion Ratio	Lower	Upper	
91	100		
92	51.7	0.0	100.0
134	23.7	0.0	46.6

Manual Integrations
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9/13/2019 11:05:00 AM



#86

Hexachloroethane

Concen: 17.420 ug/l

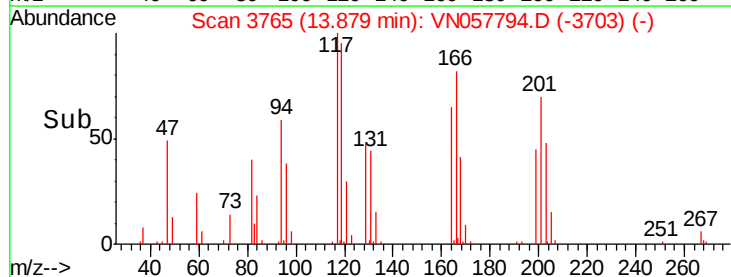
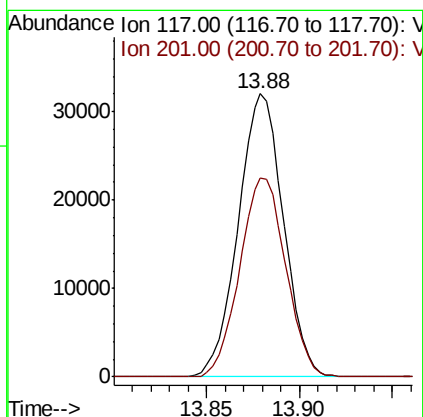
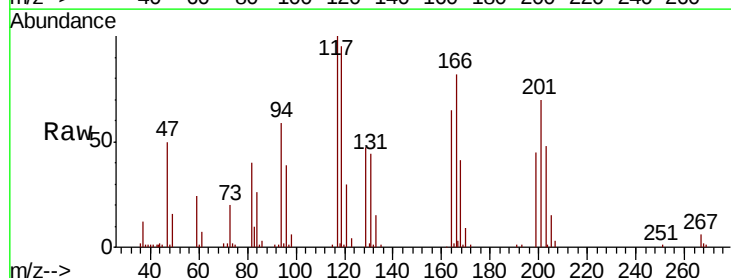
RT: 13.88 min Scan# 3765

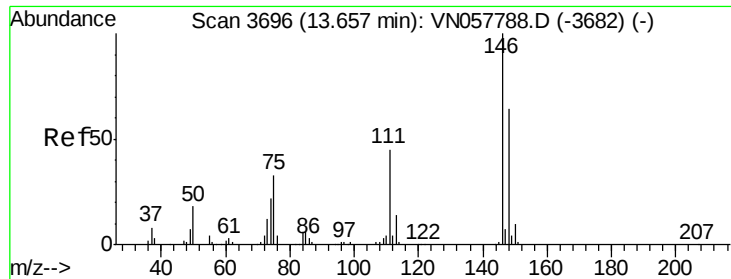
Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Tgt Ion:	117	Resp:	54028
Ion Ratio	Lower	Upper	
117	100		
201	71.5	36.7	110.1





#87

1,2-Dichlorobenzene

Concen: 19.751 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Instrument :

MSVOA_N

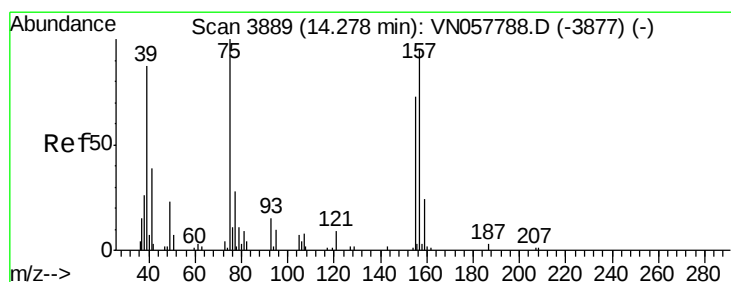
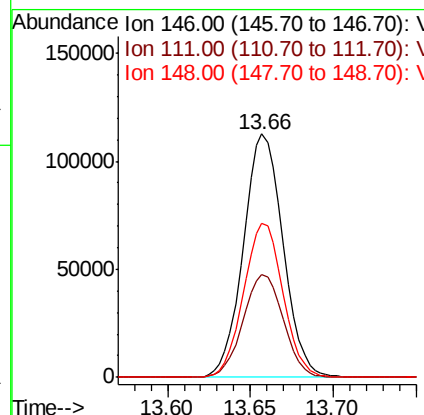
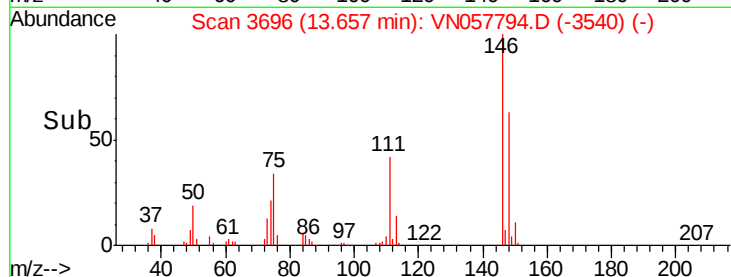
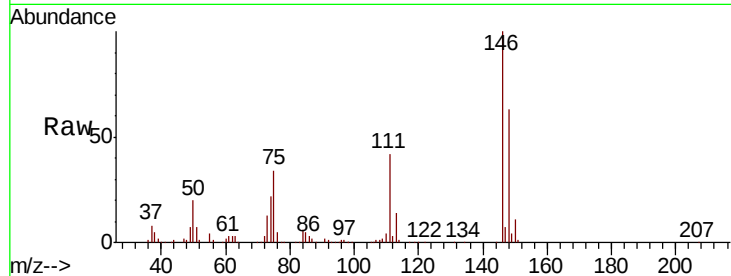
ClientSampled :

VN0909WBS01

Tgt Ion:	146	Resp:	188206
Ion Ratio	Lower	Upper	
146	100		
111	42.9	22.2	66.6
148	62.8	32.1	96.3

Manual Integrations
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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.743 ug/l

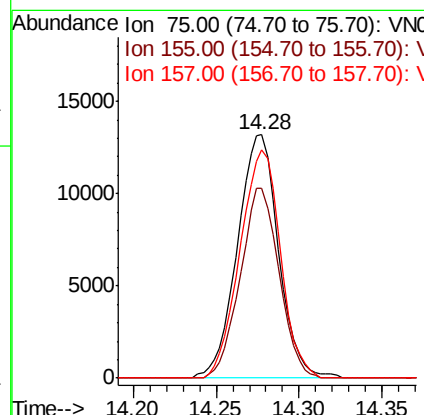
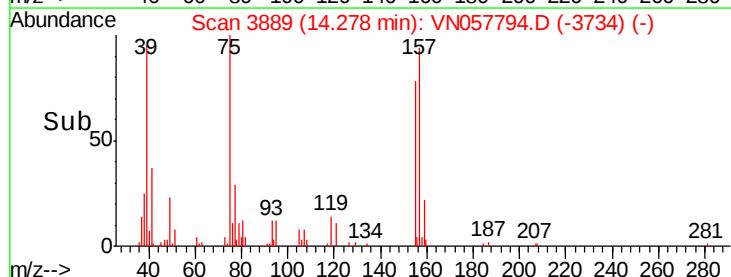
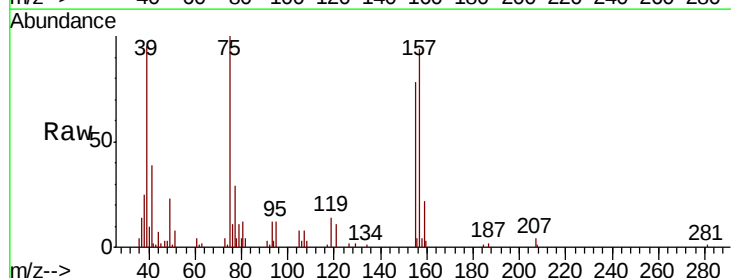
RT: 14.28 min Scan# 3889

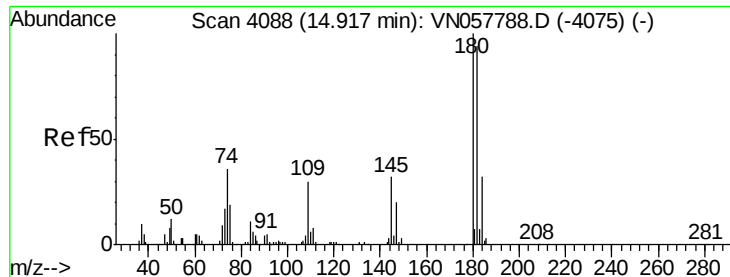
Delta R.T. -0.00 min

Lab File: VN057794.D

Acq: 9 Sep 2019 12:08

Tgt Ion:	75	Resp:	22751
Ion Ratio	Lower	Upper	
75	100		
155	73.6	59.4	89.2
157	92.1	74.6	112.0





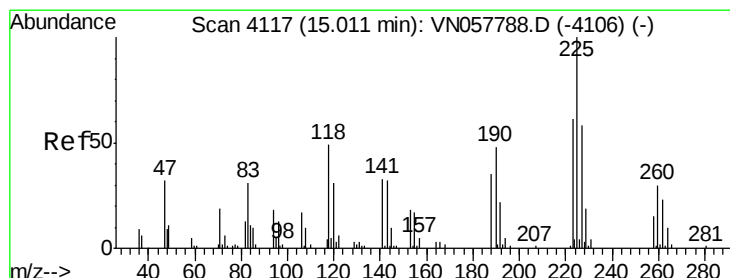
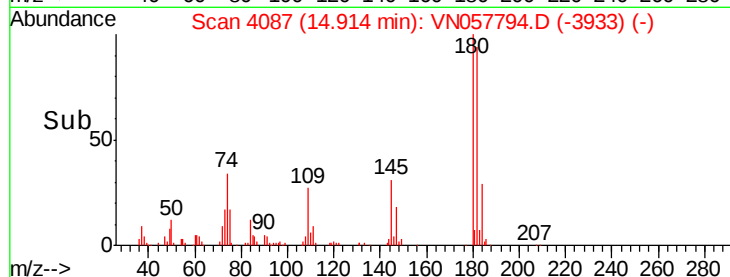
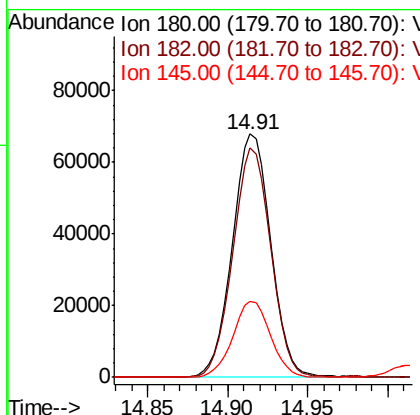
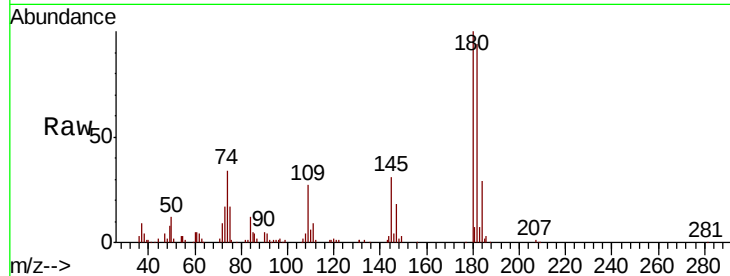
#89
 1,2,4-Trichlorobenzene
 Concen: 19.032 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	110784		
182	93.3	77.0	115.4	
145	30.6	26.1	39.1	

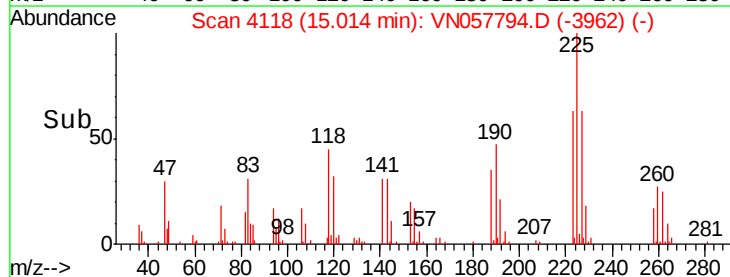
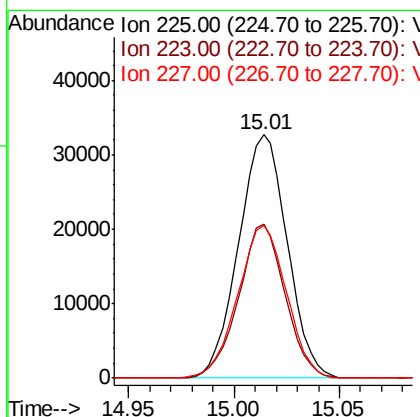
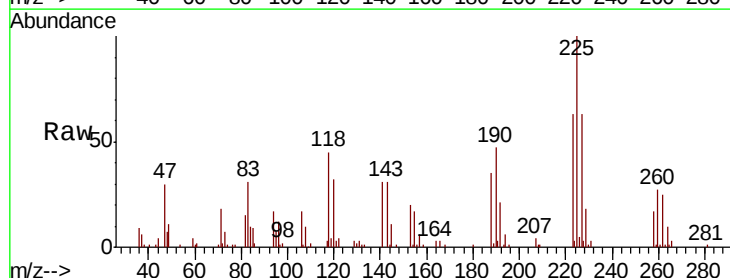
Manual Integrations
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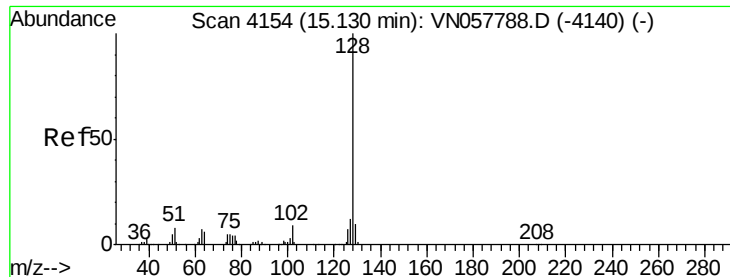
MMDadoda
 9/13/2019 11:05:00 AM



#90
 Hexachlorobutadiene
 Concen: 19.612 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057794.D
 Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	52427		
223	60.1	0.0	125.0	
227	62.5	0.0	123.8	





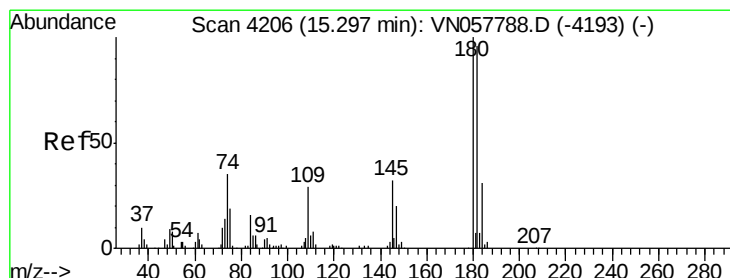
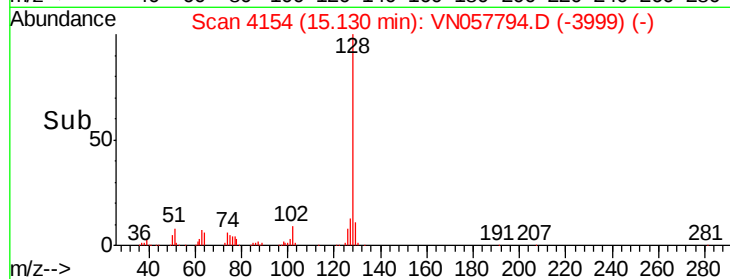
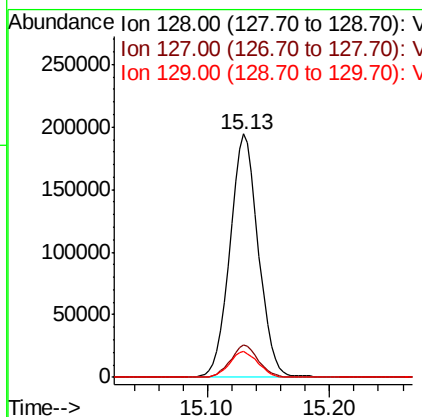
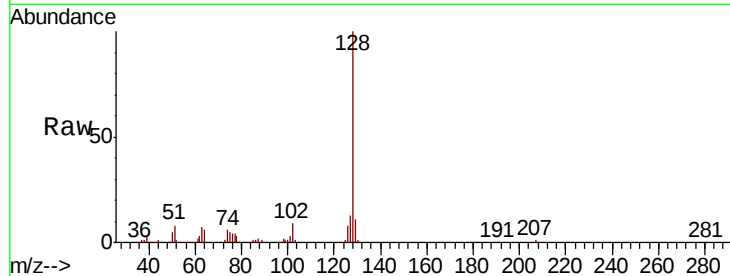
#91
Naphthalene
Concen: 19.681 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Instrument :
MSVOA_N
ClientSampleId :
VN0909WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	315204		
127	13.1	9.9	14.9	
129	10.7	8.1	12.1	

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:05:00 AM



#92
1,2,3-Trichlorobenzene
Concen: 19.017 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN057794.D
Acq: 9 Sep 2019 12:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105566		
182	93.5	0.0	189.8	
145	33.0	0.0	65.0	

