

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
 Data File : VN057791.D
 Acq On : 9 Sep 2019 10:40
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:04:50 AM

Quant Time: Sep 09 12:14:13 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N090919W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Mon Sep 09 11:48:16 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.17	128	84374	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	484633	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	447112	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	214249	28.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.70%
60) 4-Bromofluorobenzene	12.40	95	235304	30.76	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	102.53%
63) Toluene-d8	10.09	98	634653	29.57	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.57%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	774637	151.956	ug/l	98
3) Chloromethane	2.04	50	869600	136.805	ug/l	98
4) Vinyl Chloride	2.16	62	916203	140.878	ug/l	99
5) Bromomethane	2.52	94	542179	132.965	ug/l	92
6) Chloroethane	2.67	64	546360	135.178	ug/l	98
7) Trichlorofluoromethane	2.99	101	1089974	145.066	ug/l	99
8) Diethyl Ether	3.39	74	448781	148.060	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	671342	143.091	ug/l	99
10) 1,1-Dichloroethene	3.71	96	642070	143.915	ug/l	94
11) Methyl Iodide	3.93	142	927265	155.346	ug/l	98
12) Methyl Acetate	4.30	43	873859	142.533	ug/l	95
13) Acrolein	3.58	56	220805	664.686	ug/l	98
14) Acrylonitrile	4.96	53	1826321	731.719	ug/l #	91
15) Acetone	3.80	58	471180	664.953	ug/l	100
16) Carbon Disulfide	4.03	76	1612677	155.230	ug/l	100
17) Allyl chloride	4.29	41	1256580	153.707	ug/l	96
18) Methylene Chloride	4.53	84	798538	142.036	ug/l	97
19) trans-1,2-Dichloroethene	5.01	96	716339	144.062	ug/l	99
20) Diisopropyl ether	5.93	45	2908548	152.183	ug/l	96
21) 1,1-Dichloroethane	5.82	63	1536931	145.842	ug/l	99
22) cis-1,2-Dichloroethene	6.81	96	896283	147.113	ug/l	100
23) tert-Butyl Alcohol	4.77	59	591008	725.326	ug/l #	100
24) Methyl tert-Butyl Ether	5.02	73	2502962	146.389	ug/l #	100
25) Chloroform	7.36	83	1564017	145.776	ug/l	99
26) Cyclohexane	7.63	56	1302307	147.080	ug/l	99
29) 1,1-Dichloropropene	7.78	75	1166327	152.983	ug/l	99
30) 2-Butanone	6.81	43	2534086	737.169	ug/l	100
31) 2,2-Dichloropropane	6.80	77	1255367	155.961	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	1333981	155.623	ug/l	98
33) Carbon Tetrachloride	7.76	117	1132604	161.971	ug/l	98
34) Benzene	8.03	78	3319650	146.951	ug/l #	88
35) Methacrylonitrile	7.16	41	530050	169.241	ug/l	96
36) 1,2-Dichloroethane	8.11	62	1306117	148.994	ug/l	99
37) Trichloroethene	8.82	130	838798	152.879	ug/l	98
38) Methylcyclohexane	9.07	83	1332485	153.490	ug/l	98
39) 1,2-Dichloropropane	9.11	63	940866	148.306	ug/l	98
40) Dibromomethane	9.20	93	585455	151.729	ug/l	97

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 QLast Update : Mon Sep 09 11:48:16 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	1249601	160.635	ug/l	98
42) Vinyl Acetate	5.87	43	9057820m	655.233	ug/l	
43) Ethyl Acetate	6.91	43	1092137m	154.019	ug/l	
44) Isopropyl Acetate	8.15	43	1921380	156.484	ug/l #	92
45) 1,4-Dioxane	9.19	88	272540	2836.288	ug/l	98
46) Methyl methacrylate	9.19	41	935342	156.584	ug/l	98
47) n-amyl Acetate	12.07	43	1832124	163.185	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	1413624	170.692	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	1511779	162.698	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	851835	152.198	ug/l	99
51) Ethyl methacrylate	10.43	69	1385481	159.649	ug/l	97
52) 1,3-Dichloropropane	10.71	76	1490196	152.248	ug/l	100
53) Dibromochloromethane	10.90	129	941428	170.319	ug/l	100
54) 1,2-Dibromoethane	11.00	107	860371	154.501	ug/l	100
55) 2-Chloroethyl vinyl ether	9.69	63	3037292	736.547	ug/l	94
56) Bromoform	12.13	173	624563	182.395	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	4317083	622.621	ug/l #	83
59) 2-Hexanone	10.75	43	3432463	659.679	ug/l	88
61) Tetrachloroethene	10.63	164	688063	151.358	ug/l	98
62) Toluene	10.15	91	3401231	137.384	ug/l	90
64) Chlorobenzene	11.43	112	2280406	148.486	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.51	131	862367	161.723	ug/l	99
66) Ethyl Benzene	11.51	91	3553497m	131.556	ug/l	
67) m/p-Xylenes	11.62	106	3042767m	326.145	ug/l	
68) o-Xylene	11.95	106	1567884	155.189	ug/l	83
69) Styrene	11.97	104	2640132	153.268	ug/l	97
70) Isopropylbenzene	12.25	105	3538975	132.497	ug/l	87
71) 1,1,2,2-Tetrachloroethane	12.51	83	1257563	150.650	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	1135110m	155.392	ug/l	
73) Bromobenzene	12.53	156	995442	155.670	ug/l	98
74) n-propylbenzene	12.59	91	3854616	126.314	ug/l	85
75) 2-Chlorotoluene	12.68	91	2790332	146.802	ug/l	96
76) 1,3,5-Trimethylbenzene	12.73	105	3172540	139.488	ug/l	89
77) t-1,4-Dichloro-2-butene	12.30	75	412570	187.699	ug/l	84
78) 4-Chlorotoluene	12.78	91	2898020	149.473	ug/l	97
79) tert-butylbenzene	13.00	119	2911358	146.726	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	3133959	138.291	ug/l	88
81) sec-Butylbenzene	13.17	105	3505444	133.153	ug/l	90
82) p-Isopropyltoluene	13.29	119	3214028	136.322	ug/l	89
83) 1,3-Dichlorobenzene	13.29	146	1857044	156.239	ug/l	97
84) 1,4-Dichlorobenzene	13.37	146	1844841	157.652	ug/l	98
85) n-Butylbenzene	13.62	91	3122852	142.124	ug/l	86
86) Hexachloroethane	13.88	117	647644	172.459	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	1789010	155.058	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	237270	161.434	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	1158840	164.423	ug/l	98
90) Hexachlorobutadiene	15.01	225	513828	158.745	ug/l	99
91) Naphthalene	15.13	128	3001016	154.752	ug/l	96
92) 1,2,3-Trichlorobenzene	15.30	180	1105618	164.488	ug/l	99

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Manual Integrations
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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

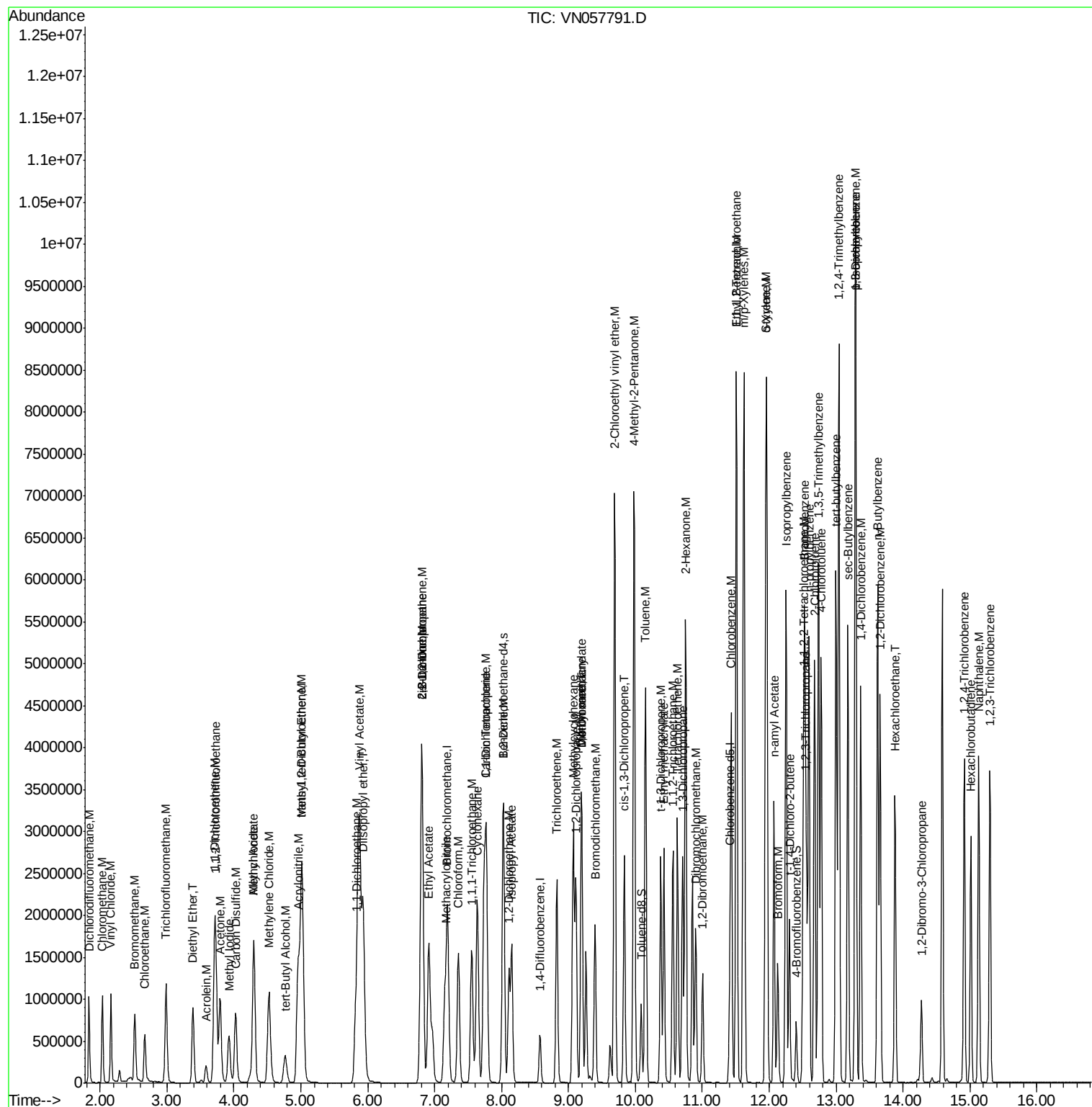
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090919\
Data File : VN057791.D
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Operator : JC/SP
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

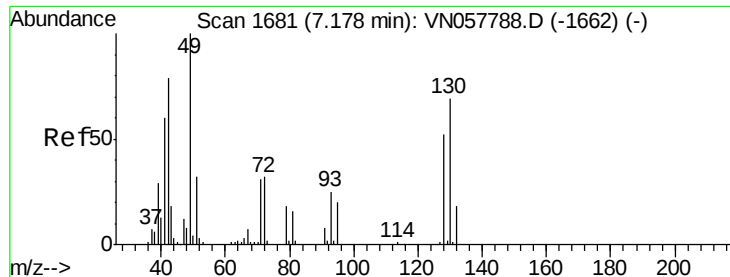
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:50 AM

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

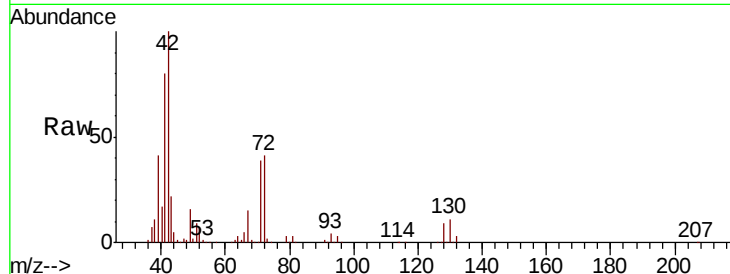
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
49	197.7	0.0	486.5
130	130.6	0.0	324.5

Manual Integrations
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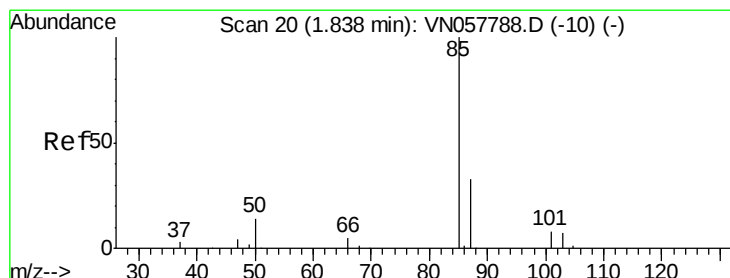
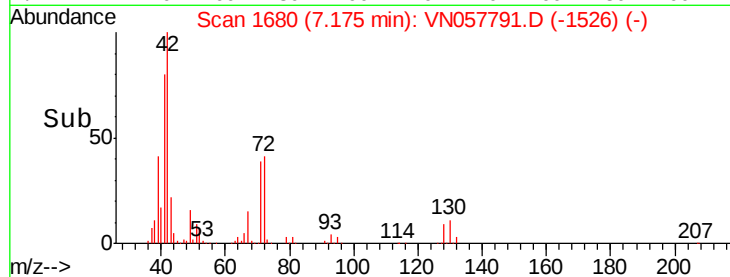
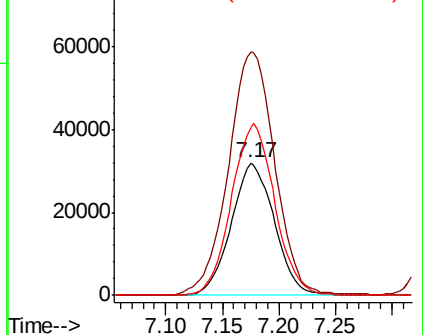


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 151.956 ug/l

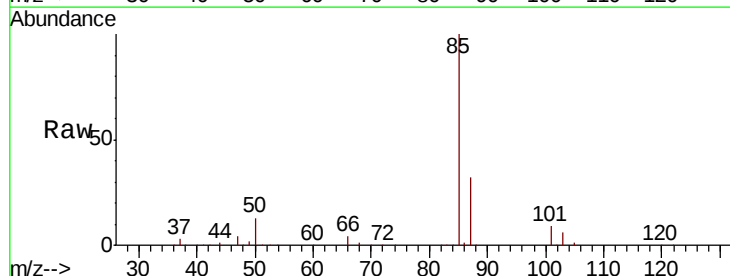
RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

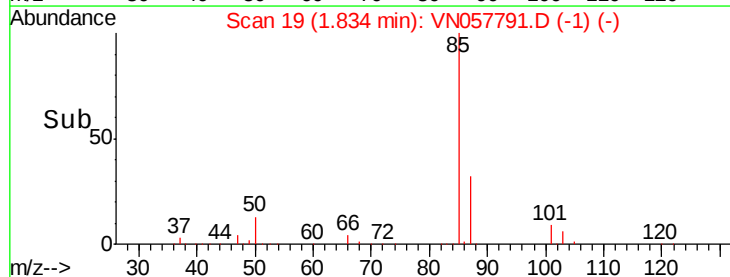
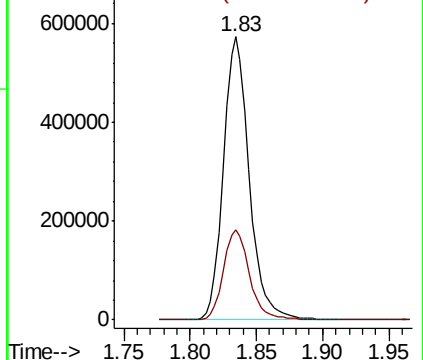
Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.4	49.4

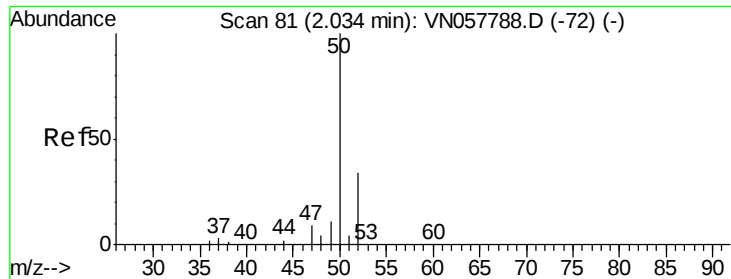


Abundance

Ion 85.00 (84.70 to 85.70): VN

Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 136.805 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 869600

Ion Ratio Lower Upper

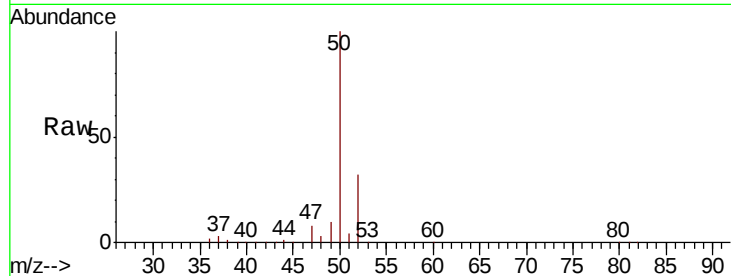
50 100

52 32.2 26.9 40.3

Manual Integrations
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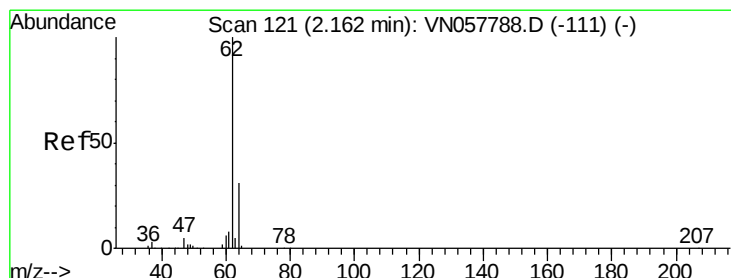
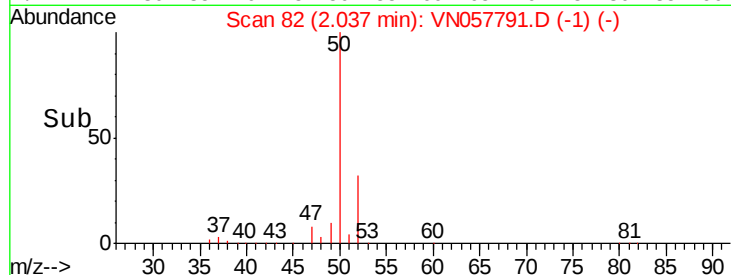
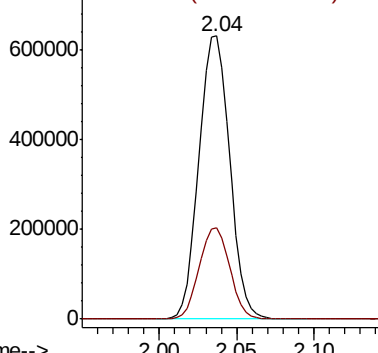
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 140.878 ug/l

RT: 2.16 min Scan# 121

Delta R.T. -0.00 min

Lab File: VN057791.D

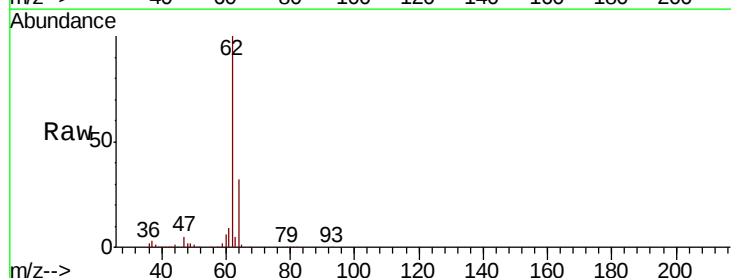
Acq: 9 Sep 2019 10:40

Tgt Ion: 62 Resp: 916203

Ion Ratio Lower Upper

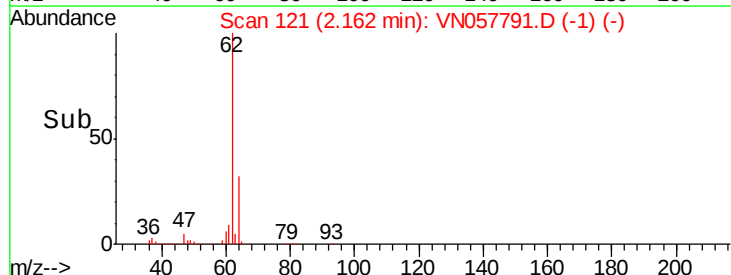
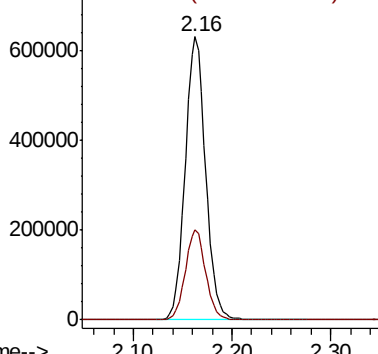
62 100

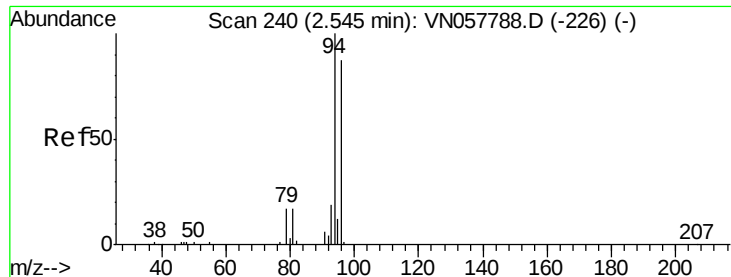
64 31.8 25.0 37.6



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 132.965 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.03 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 542179

Ion Ratio Lower Upper

94 100

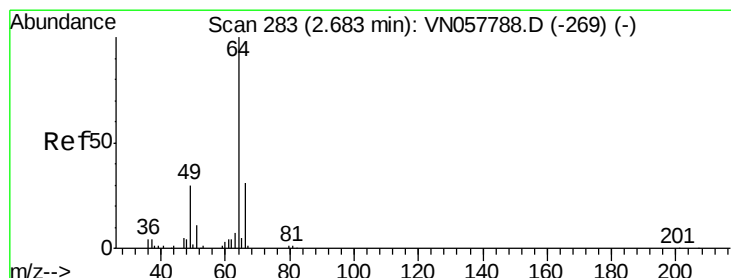
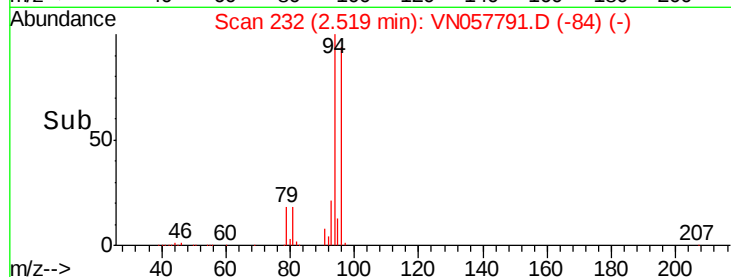
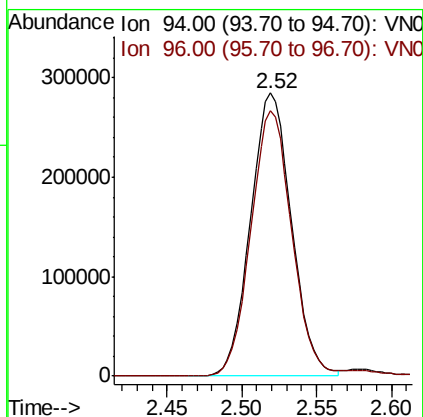
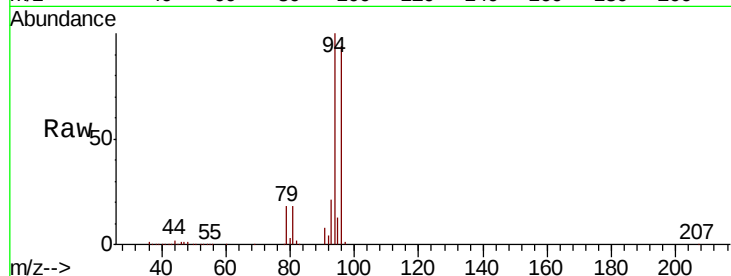
96 94.0 69.2 103.8

Manual Integrations

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9/13/2019 11:04:50 AM



#6

Chloroethane

Concen: 135.178 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.02 min

Lab File: VN057791.D

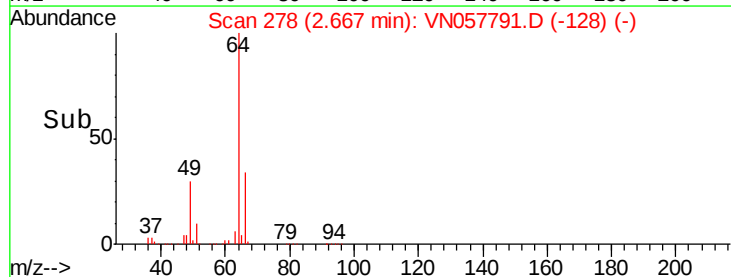
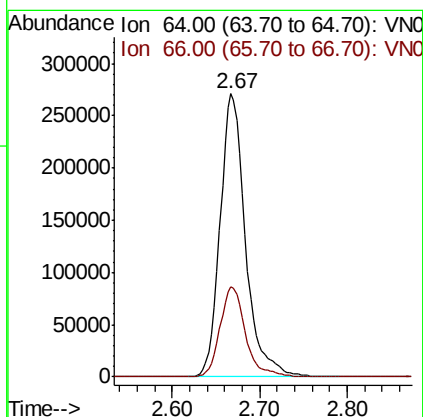
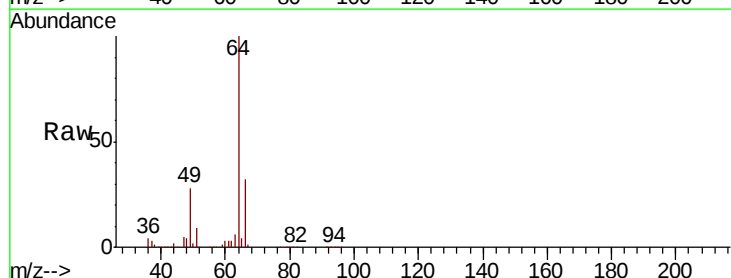
Acq: 9 Sep 2019 10:40

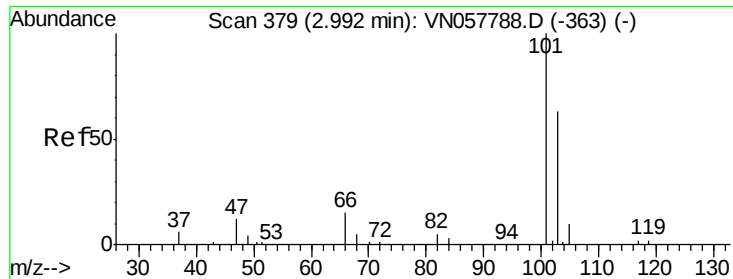
Tgt Ion: 64 Resp: 546360

Ion Ratio Lower Upper

64 100

66 31.7 24.4 36.6





#7

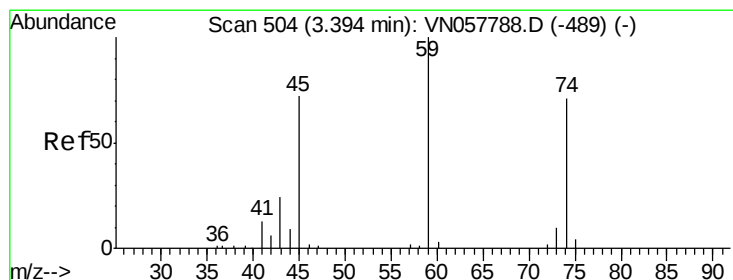
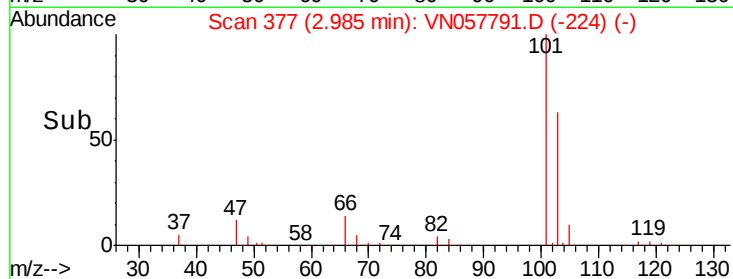
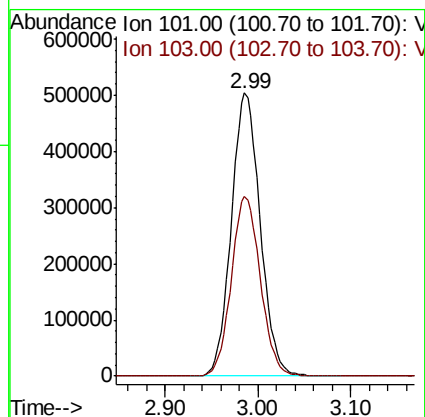
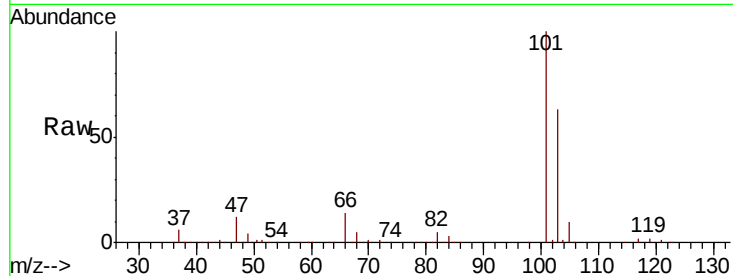
Trichlorofluoromethane
Concen: 145.066 ug/l
RT: 2.99 min Scan# 377
Delta R.T. -0.01 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 1089974
Ion Ratio Lower Upper
101 100
103 63.3 50.2 75.2

Manual Integrations
APPROVED

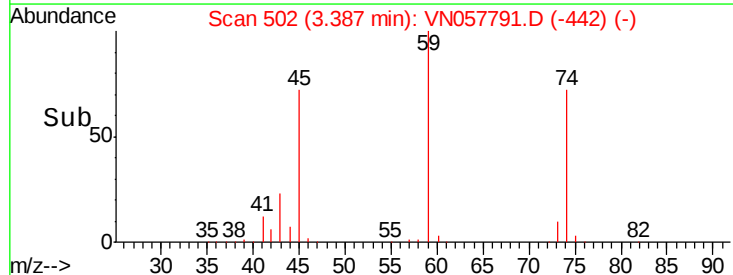
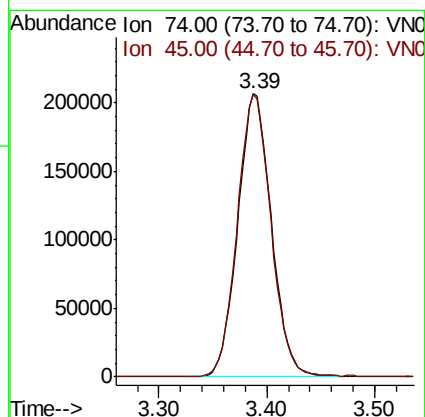
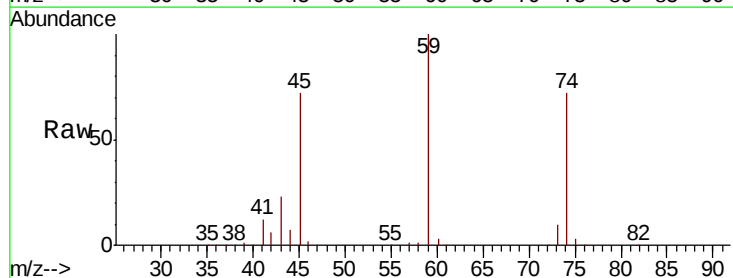
MMDadoda
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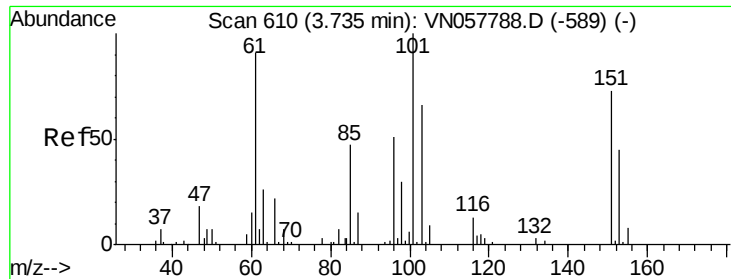


#8

Diethyl Ether
Concen: 148.060 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.01 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 74 Resp: 448781
Ion Ratio Lower Upper
74 100
45 99.5 20.3 182.5





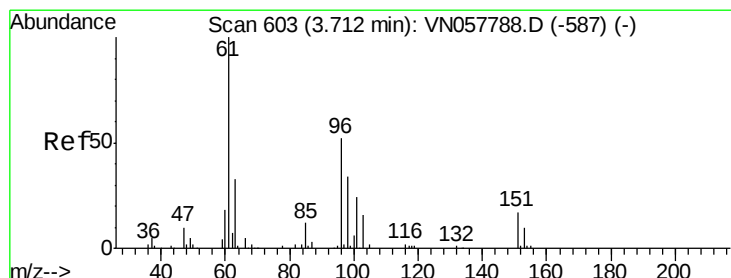
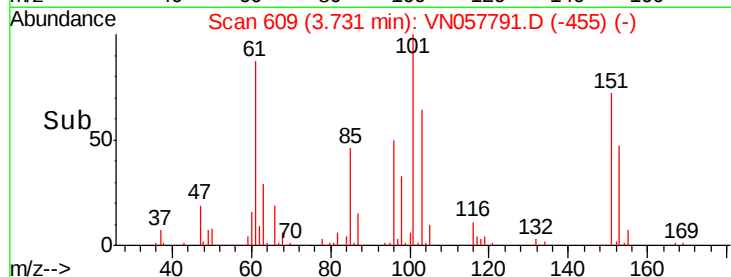
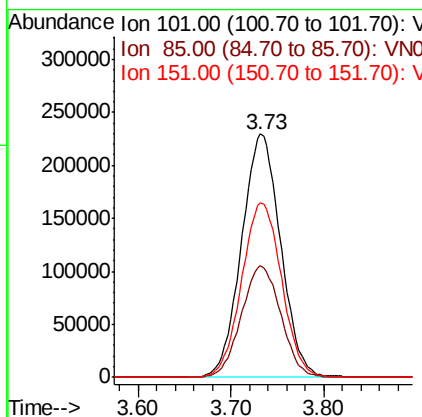
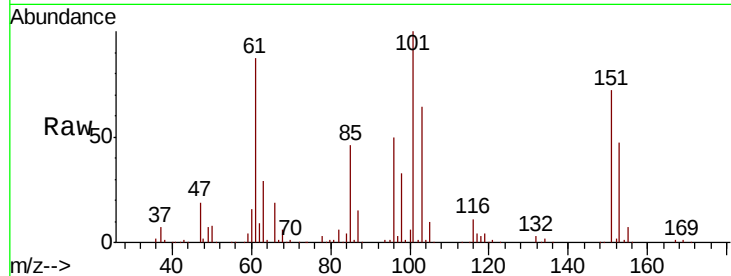
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 143.091 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	671342		
85	46.5	0.0	94.0	
151	73.3	0.0	144.4	

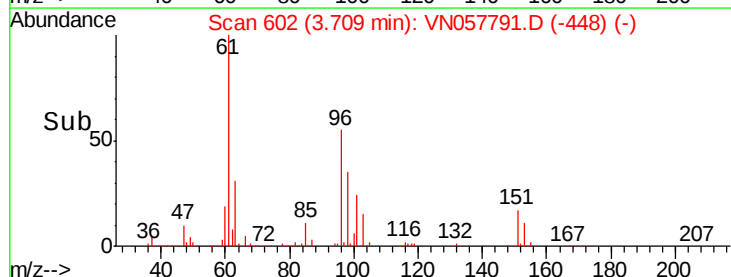
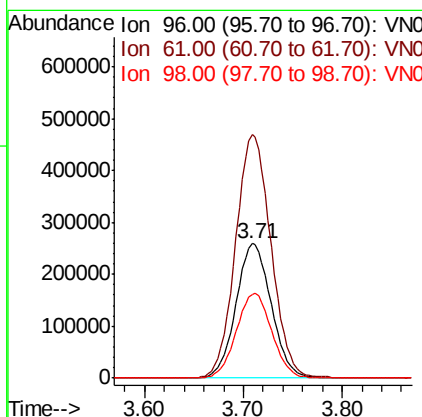
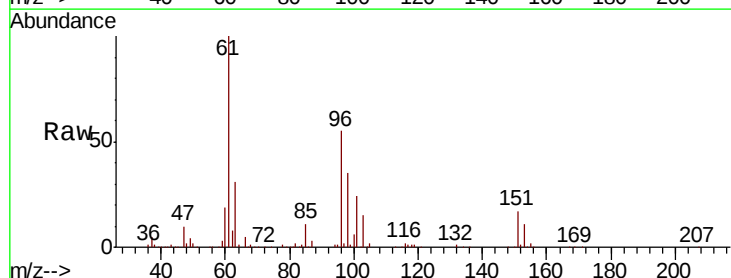
Manual Integrations
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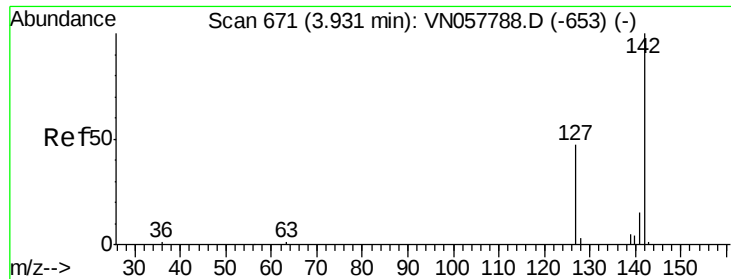
MMDadoda
 9/13/2019 11:04:50 AM



#10
 1,1-Dichloroethene
 Concen: 143.915 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	642070		
61	180.7	153.4	230.0	
98	62.5	51.5	77.3	





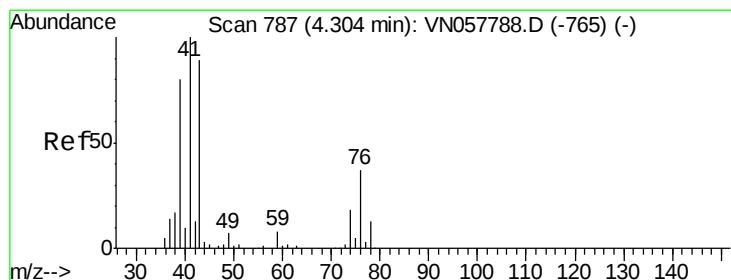
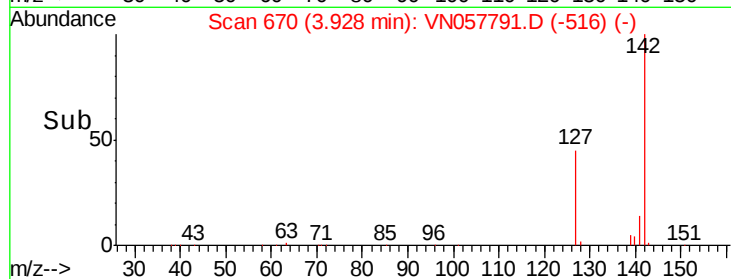
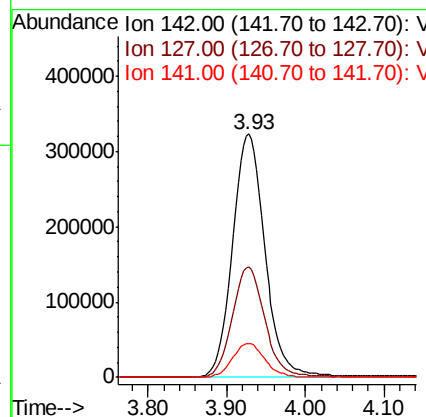
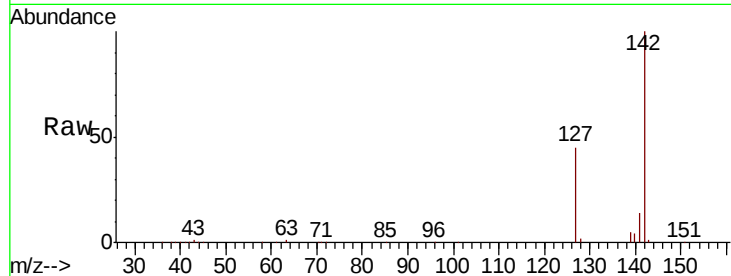
#11
Methyl Iodide
Concen: 155.346 ug/l
RT: 3.93 min Scan# 670
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.1	23.3	69.8
141	13.9	7.5	22.6

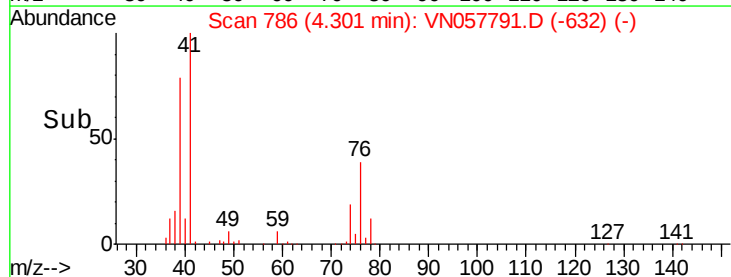
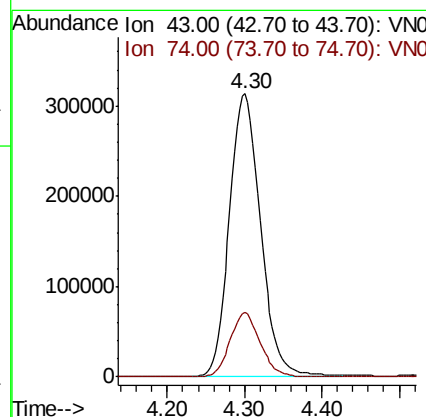
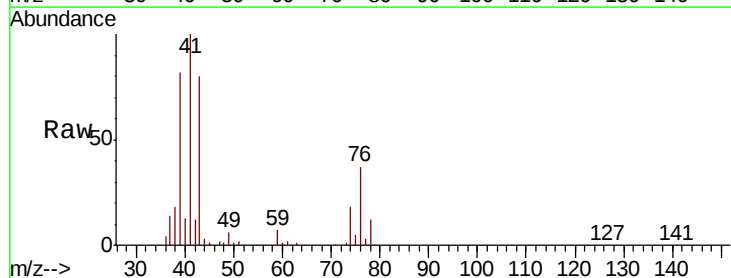
Manual Integrations
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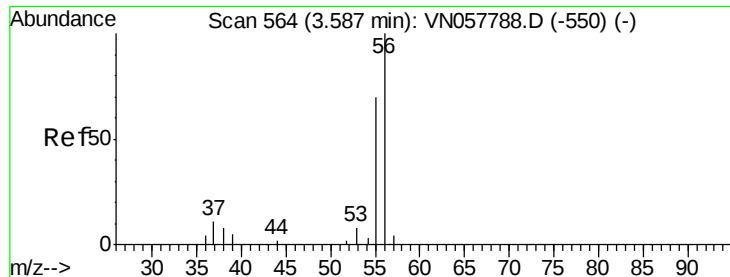
MMDadoda
9/13/2019 11:04:50 AM



#12
Methyl Acetate
Concen: 142.533 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.8	16.2	24.4





#13

Acrolein

Concen: 664.686 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 56 Resp: 220805

Ion Ratio Lower Upper

56 100

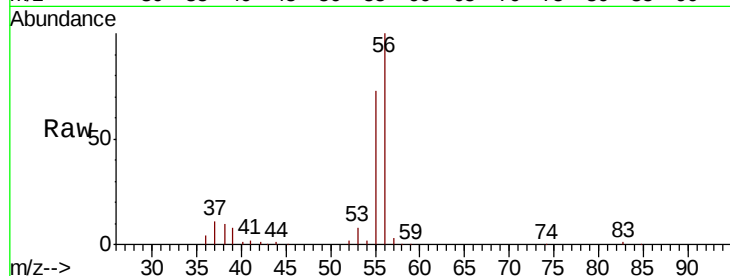
55 72.1 59.0 88.4

Manual Integrations

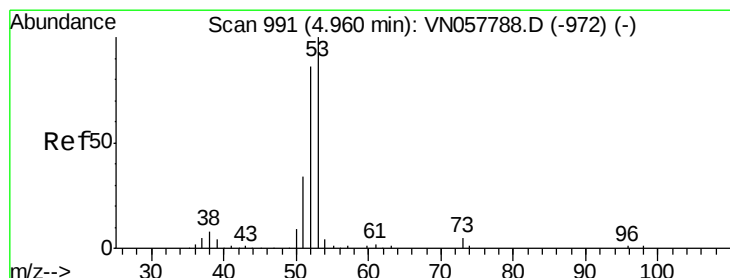
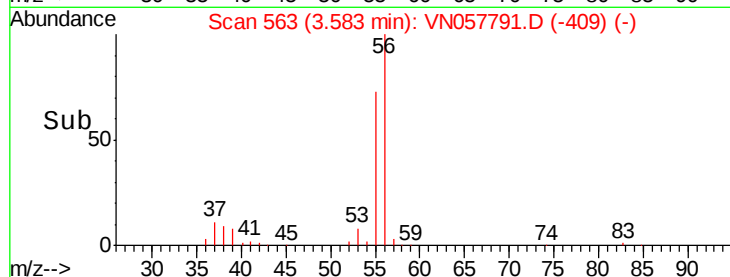
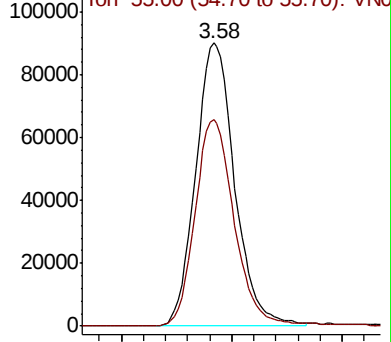
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9/13/2019 11:04:50 AM



Abundance Ion 56.00 (55.70 to 56.70): VN057791.D (-409) (-)



#14

Acrylonitrile

Concen: 731.719 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

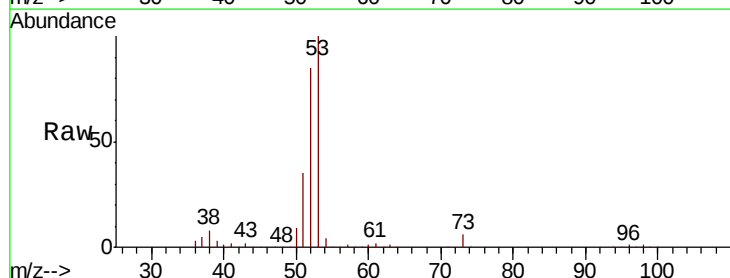
Tgt Ion: 53 Resp: 1826321

Ion Ratio Lower Upper

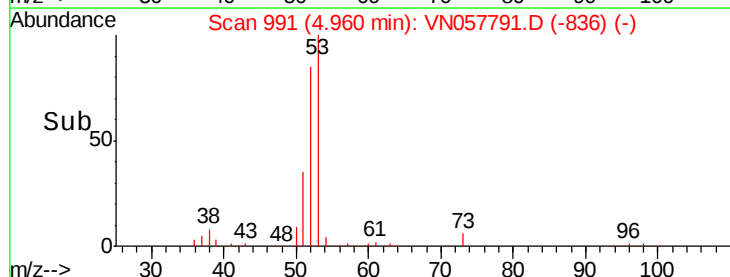
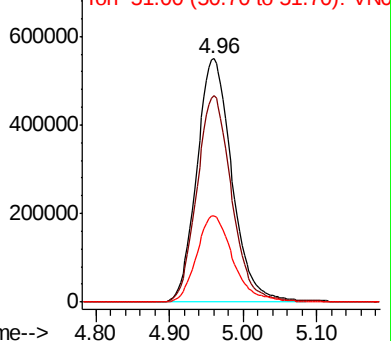
53 100

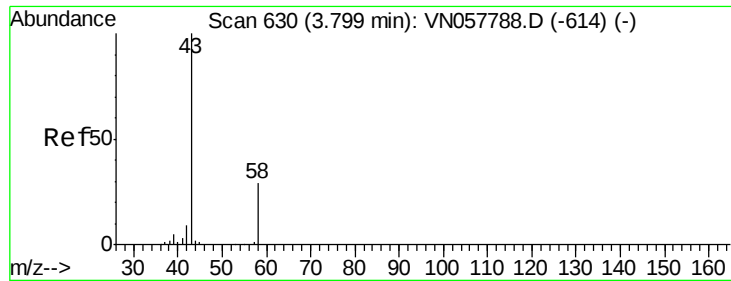
52 83.7 41.0 123.0

51 36.8 8.6 25.8#



Abundance Ion 53.00 (52.70 to 53.70): VN057791.D (-836) (-)





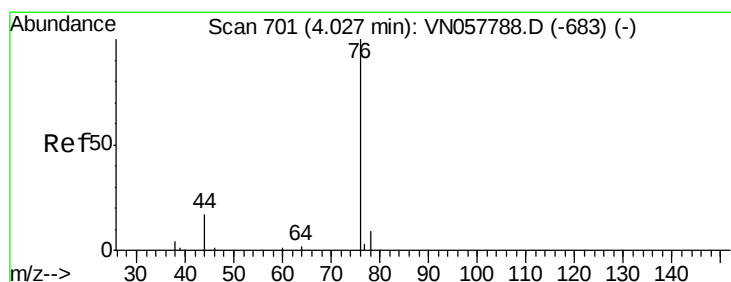
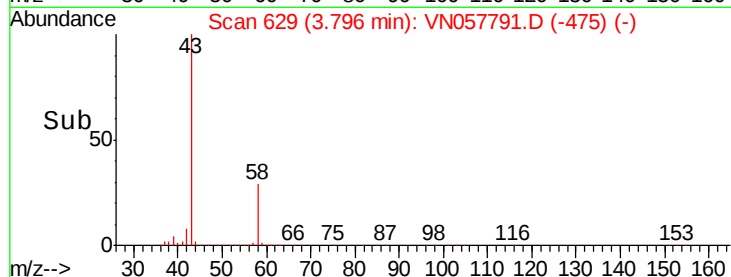
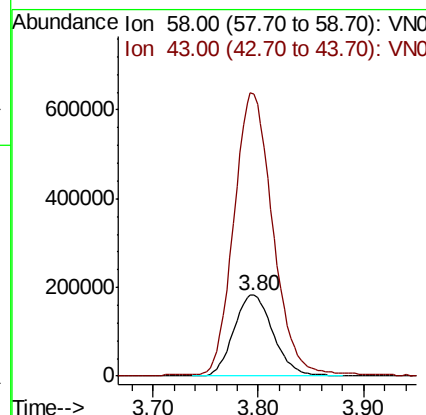
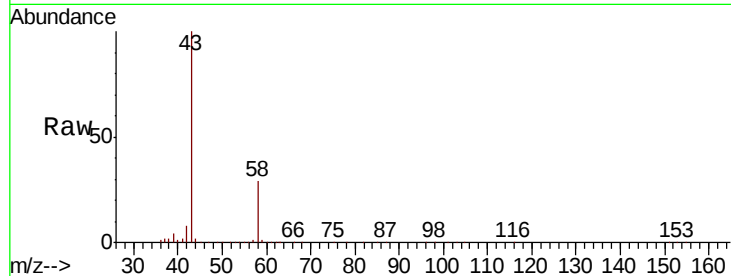
#15
Acetone
Concen: 664.953 ug/l
RT: 3.80 min Scan# 629
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 58 Resp: 471180
Ion Ratio Lower Upper
58 100
43 347.3 277.7 416.5

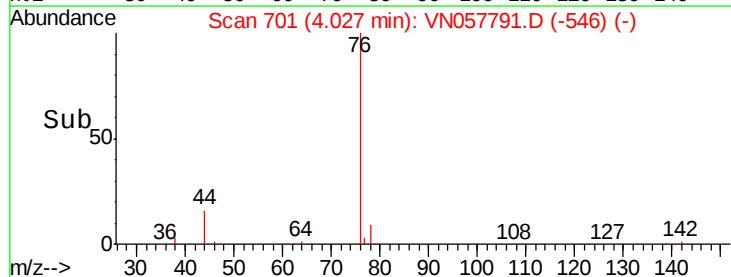
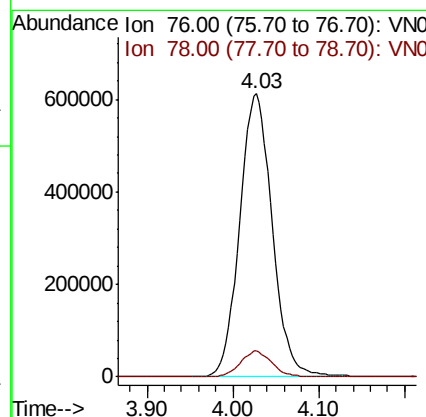
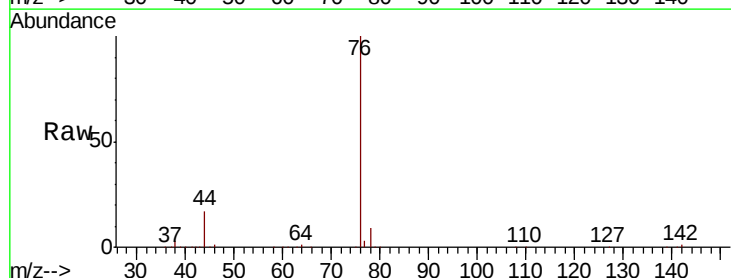
Manual Integrations
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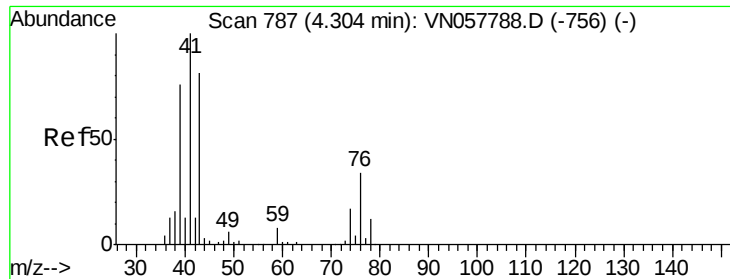
MMDadoda
9/13/2019 11:04:50 AM



#16
Carbon Disulfide
Concen: 155.230 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 76 Resp: 1612677
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0





#17

Allyl chloride

Concen: 153.707 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 1256580

Ion Ratio Lower Upper

41 100

39 80.8 38.5 115.3

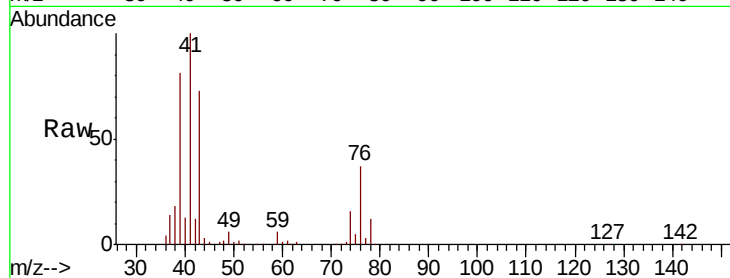
76 36.4 17.2 51.6

Manual Integrations

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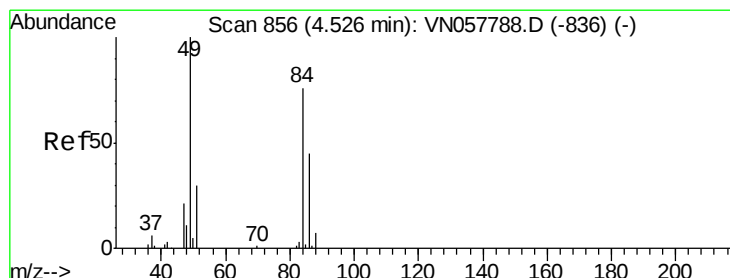
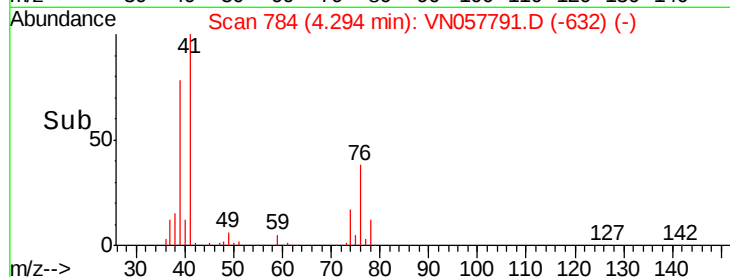
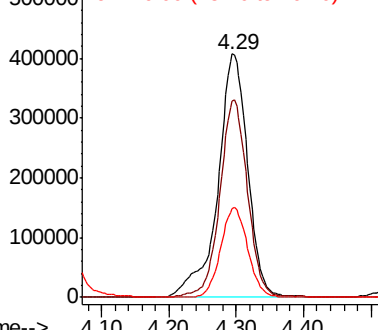


Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 76.00 (75.70 to 76.70): VN0



#18

Methylene Chloride

Concen: 142.036 ug/l

RT: 4.53 min Scan# 856

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Tgt Ion: 84 Resp: 798538

Ion Ratio Lower Upper

84 100

49 133.7 105.4 158.2

51 41.0 31.3 46.9

86 63.2 47.3 70.9

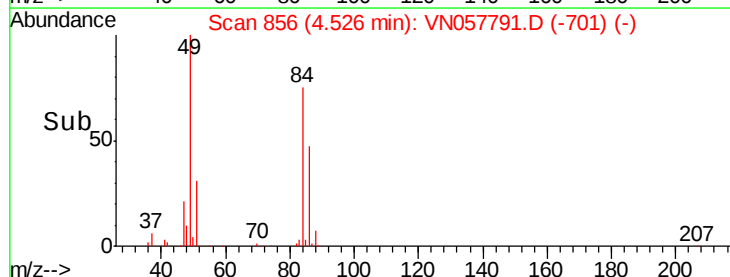
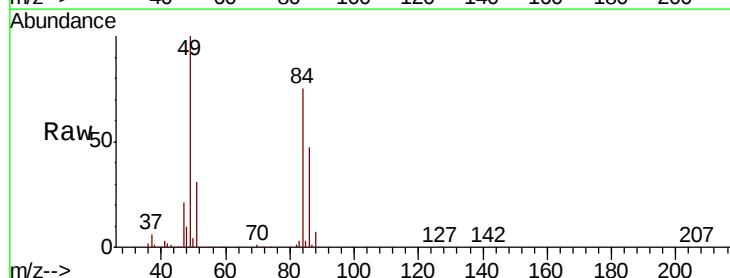
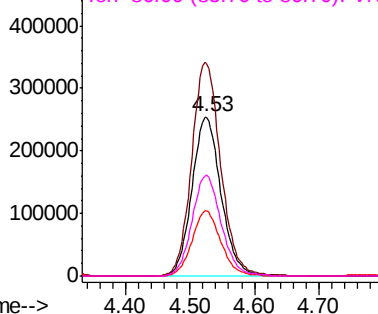
Abundance

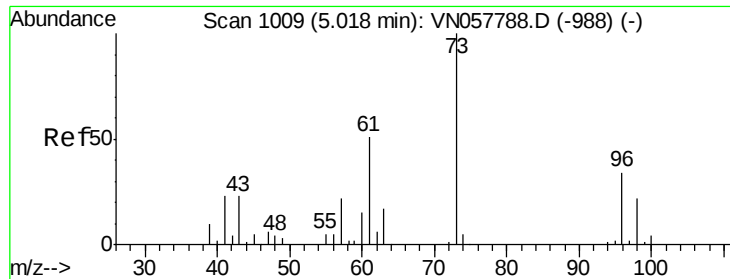
Ion 84.00 (83.70 to 84.70): VN0

Ion 49.00 (48.70 to 49.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

Ion 86.00 (85.70 to 86.70): VN0





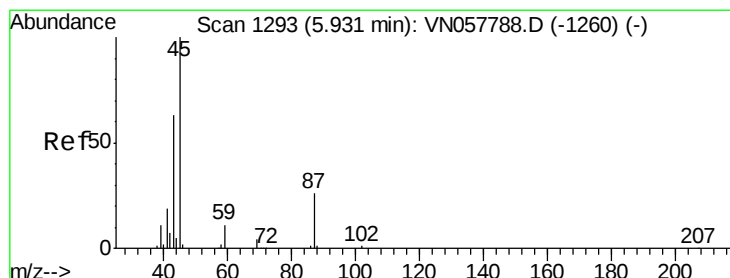
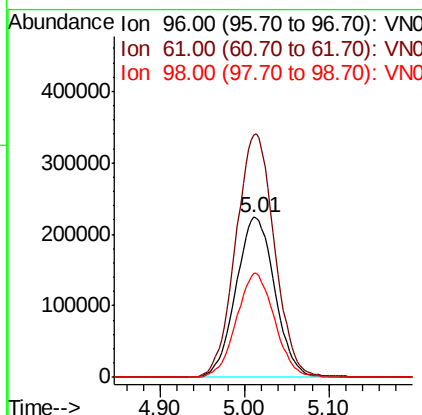
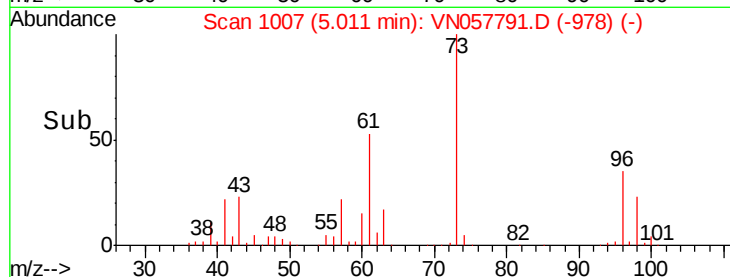
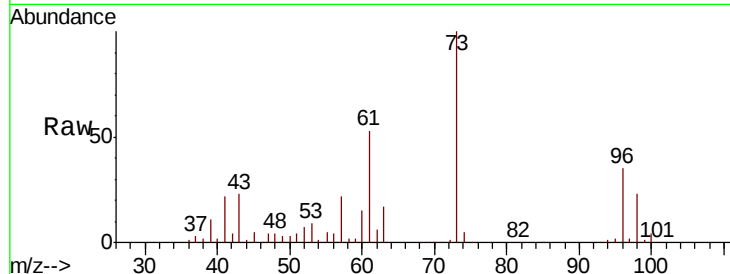
#19
trans-1,2-Dichloroethene
Concen: 144.062 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	121.0	181.6
98	64.9	52.7	79.1

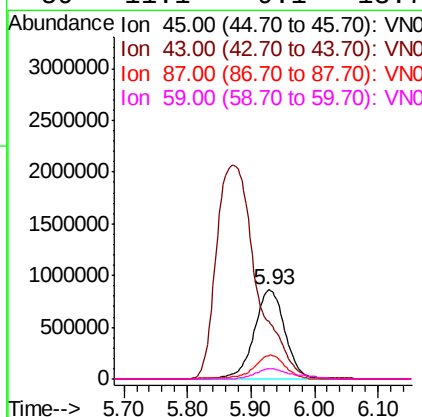
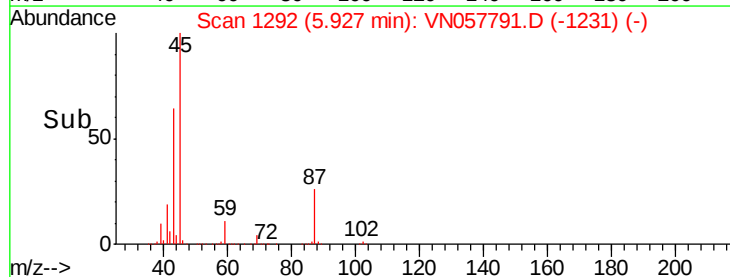
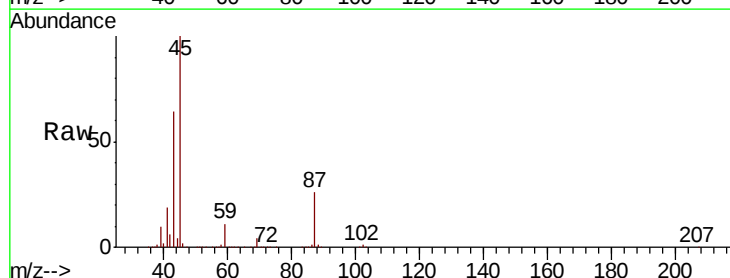
Manual Integrations
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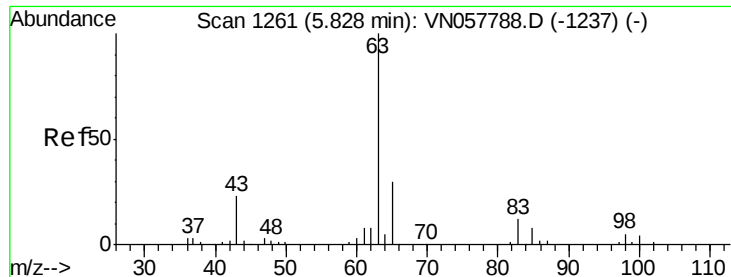
MMDadoda
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#20
Diisopropyl ether
Concen: 152.183 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	55.2	82.8
87	26.4	21.3	31.9
59	11.1	9.1	13.7





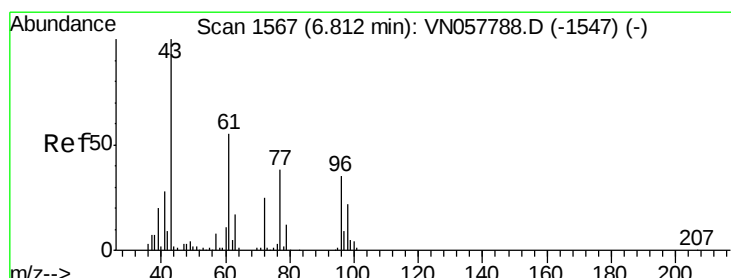
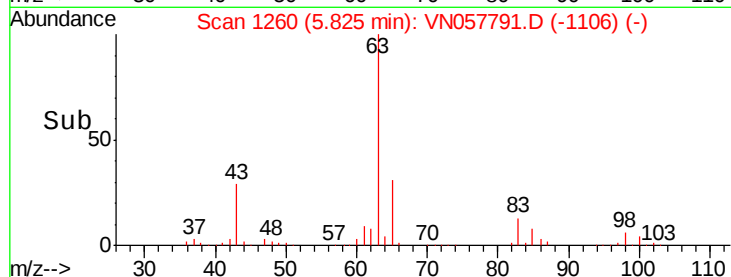
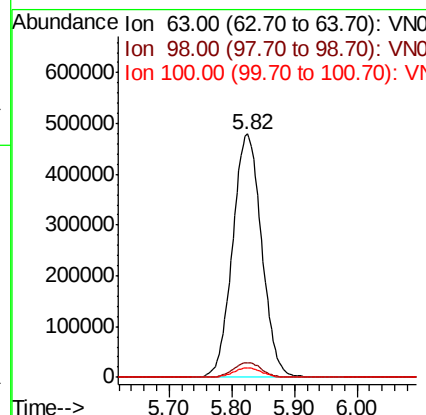
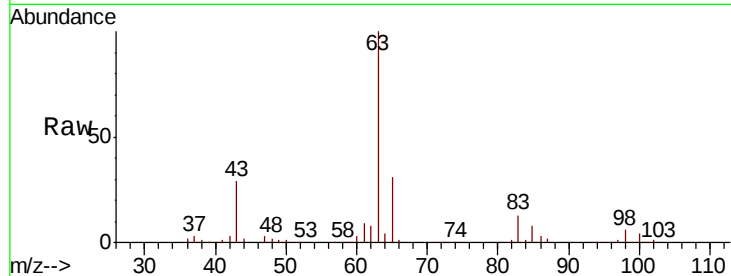
#21
 1,1-Dichloroethane
 Concen: 145.842 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1536931
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.8 8.3
 100 3.7 1.8 5.5

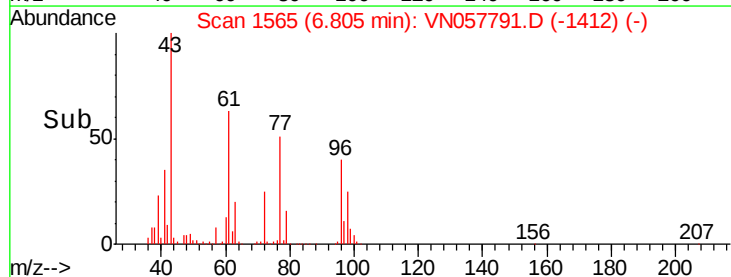
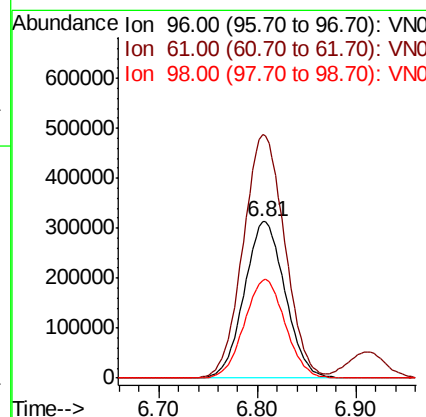
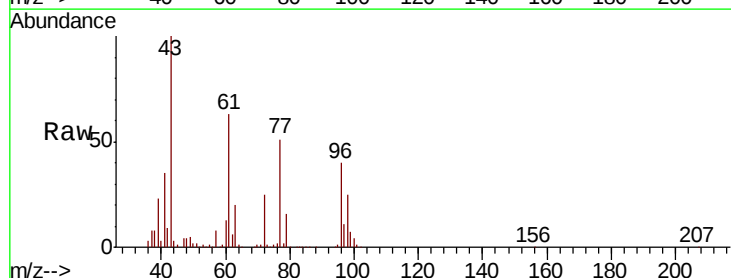
Manual Integrations
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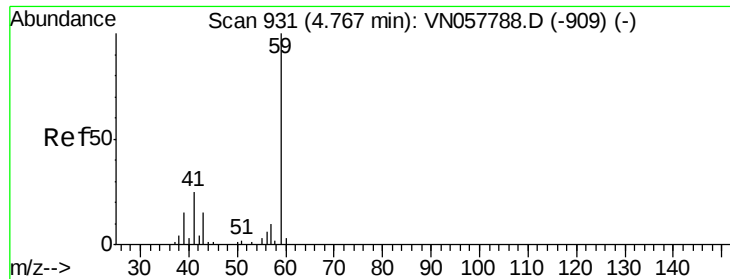
MMDadoda
 9/13/2019 11:04:50 AM



#22
 cis-1,2-Dichloroethene
 Concen: 147.113 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 96 Resp: 896283
 Ion Ratio Lower Upper
 96 100
 61 158.9 127.4 191.0
 98 63.7 51.5 77.3





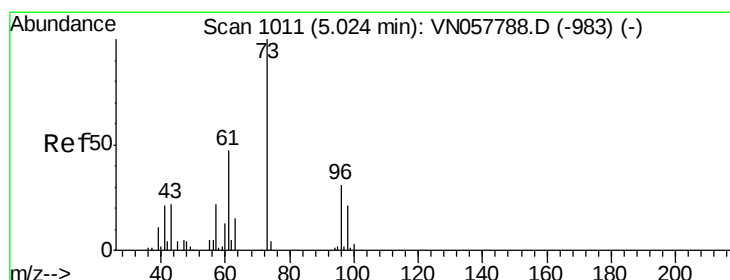
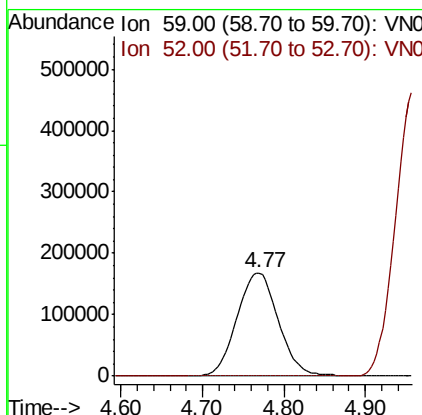
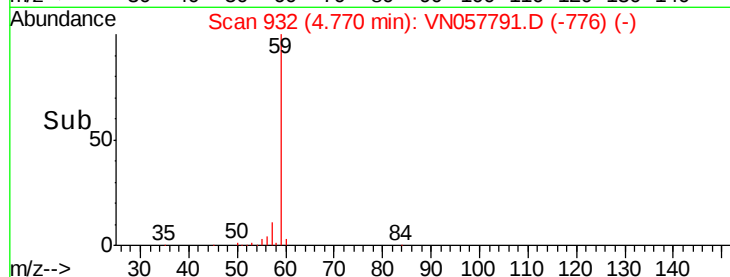
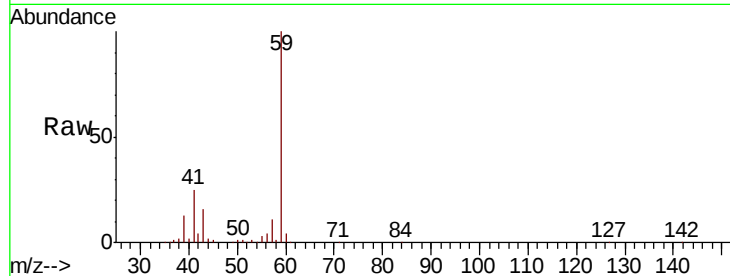
#23
 tert-Butyl Alcohol
 Concen: 725.326 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. 0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 59 Resp: 591008
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.0 0.0#

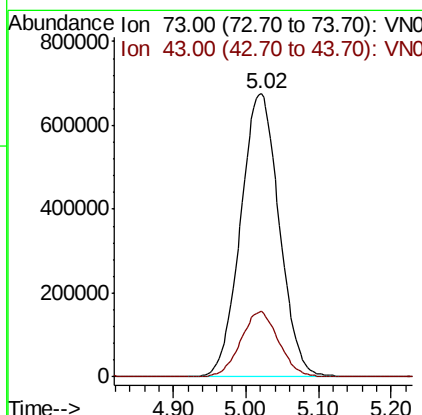
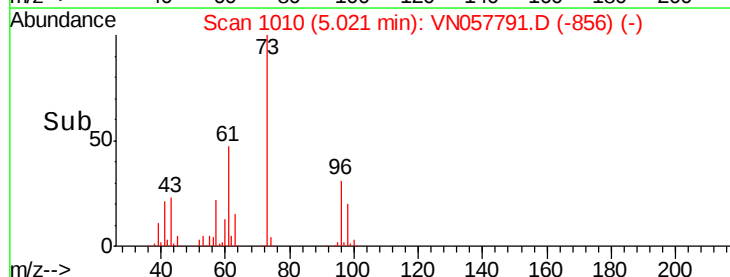
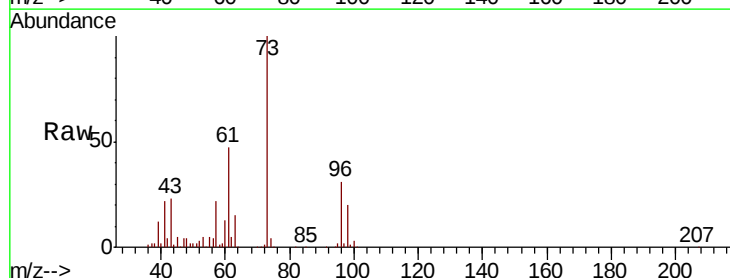
Manual Integrations
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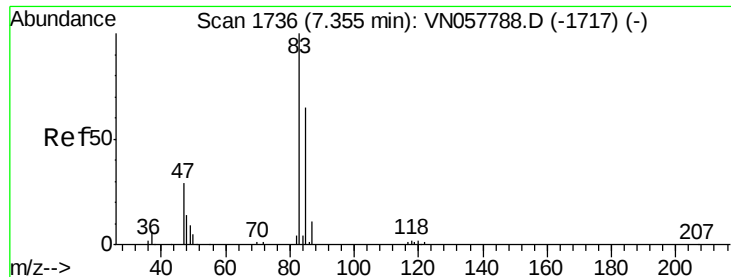
MMDadoda
 9/13/2019 11:04:50 AM



#24
 Methyl tert-Butyl Ether
 Concen: 146.389 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 73 Resp: 2502962
 Ion Ratio Lower Upper
 73 100
 43 22.6 0.0 0.0#





#25

Chloroform

Concen: 145.776 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1564017

Ion Ratio Lower Upper

83 100

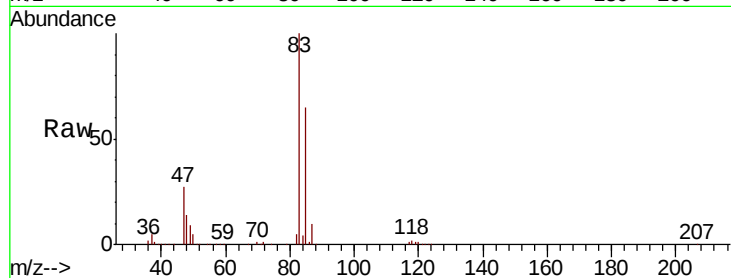
85 65.4 51.8 77.6

Manual Integrations

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MMDadoda

9/13/2019 11:04:50 AM



Abundance Ion 83.00 (82.70 to 83.70): VN057791.D (-1581) (-)

Ion 85.00 (84.70 to 85.70): VN057791.D (-1581) (-)

7.36

600000

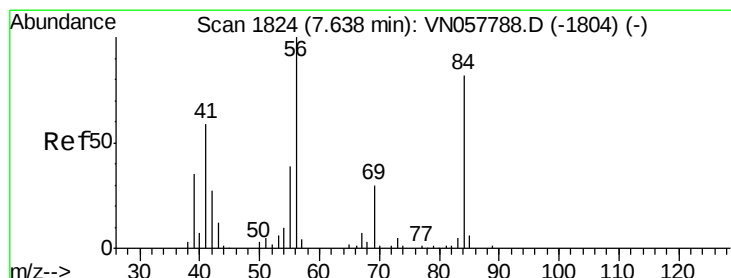
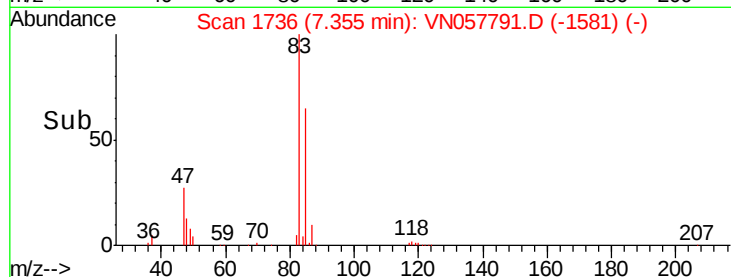
400000

200000

0

7.20 7.30 7.40 7.50

Time-->



#26

Cyclohexane

Concen: 147.080 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

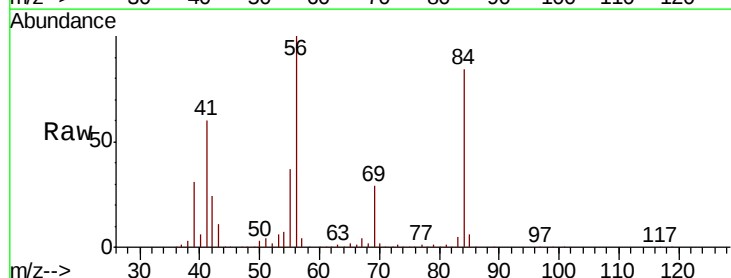
Tgt Ion: 56 Resp: 1302307

Ion Ratio Lower Upper

56 100

89 0.4 0.3 0.5

84 84.4 66.6 100.0



Abundance Ion 56.00 (55.70 to 56.70): VN057791.D (-1669) (-)

Ion 89.00 (88.70 to 89.70): VN057791.D (-1669) (-)

Ion 84.00 (83.70 to 84.70): VN057791.D (-1669) (-)

800000

600000

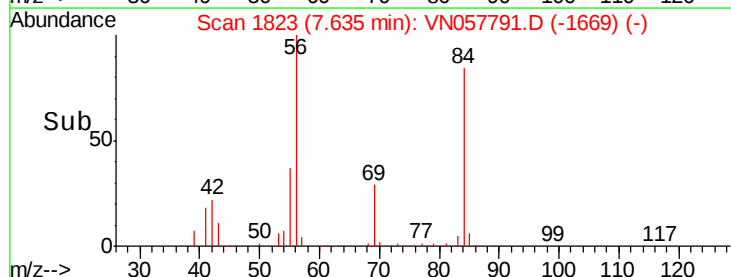
400000

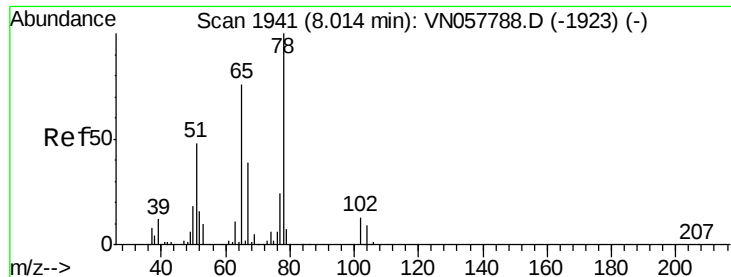
200000

0

7.50 7.55 7.60 7.65 7.70

Time-->





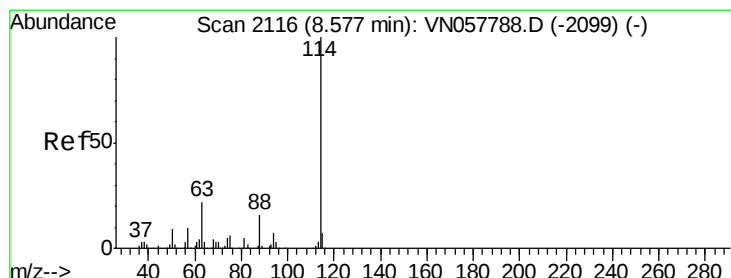
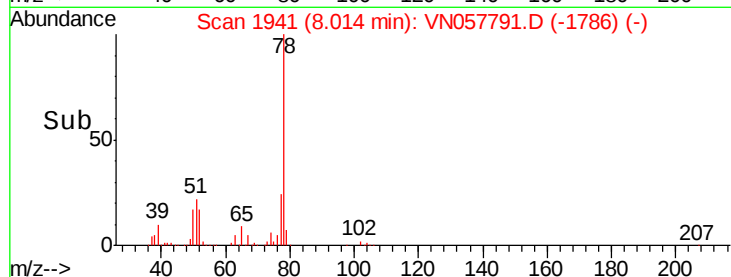
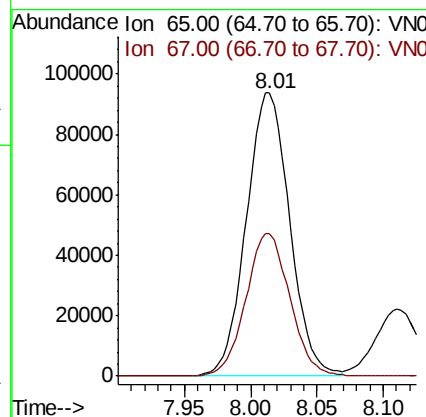
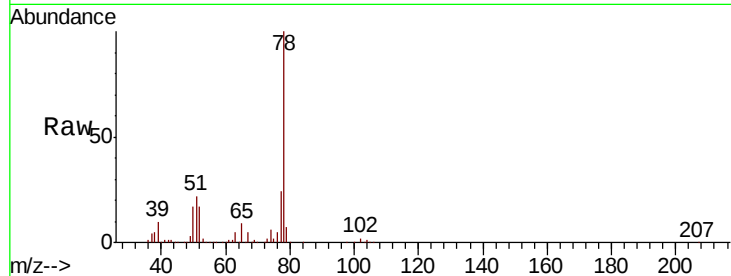
#27
 1,2-Dichloroethane-d4
 Concen: 28.707 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 65 Resp: 214249
 Ion Ratio Lower Upper
 65 100
 67 51.0 40.9 61.3

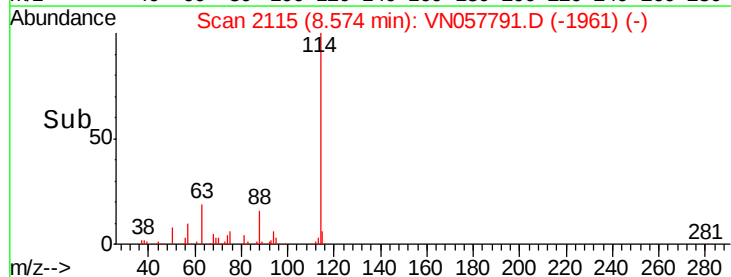
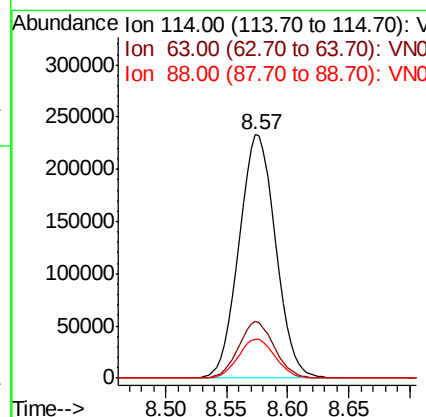
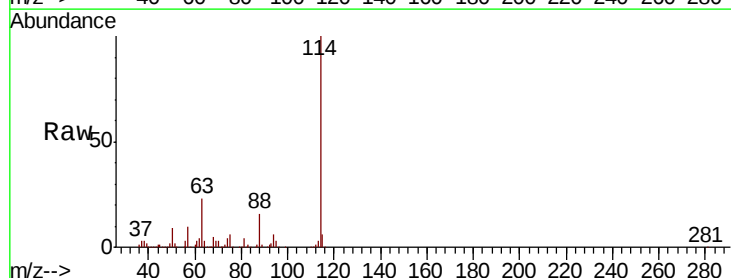
Manual Integrations
 APPROVED

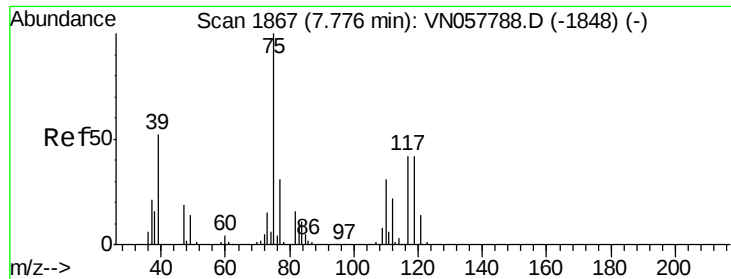
MMDadoda
 9/13/2019 11:04:50 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 114 Resp: 484633
 Ion Ratio Lower Upper
 114 100
 63 22.7 18.0 27.0
 88 16.0 12.6 19.0





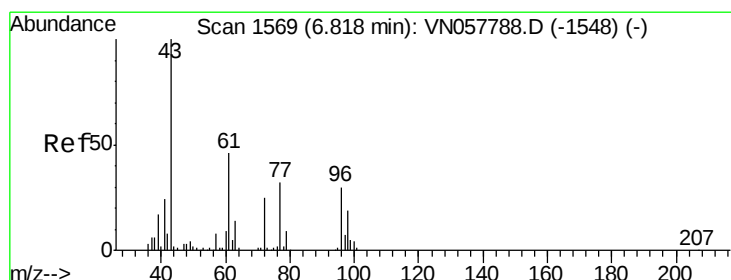
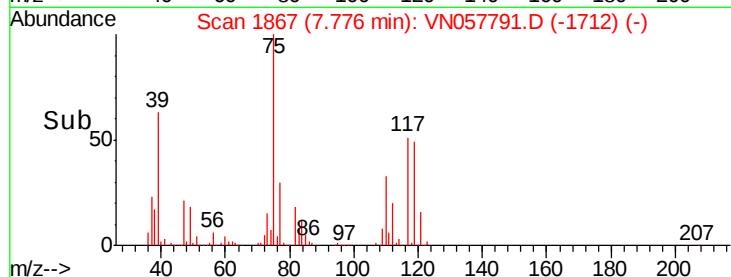
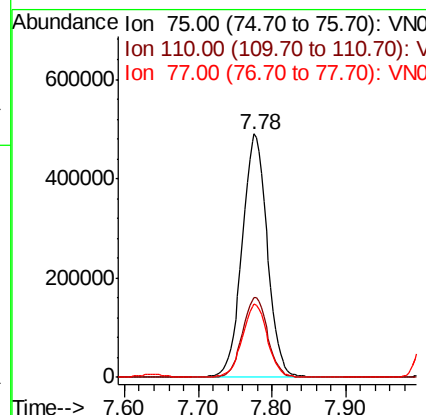
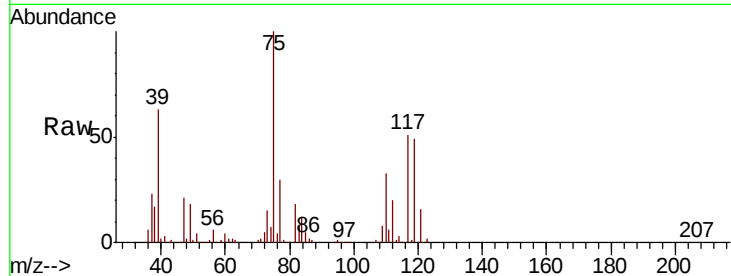
#29
 1,1-Dichloropropene
 Concen: 152.983 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	0.0	63.8
77	30.1	0.0	60.0

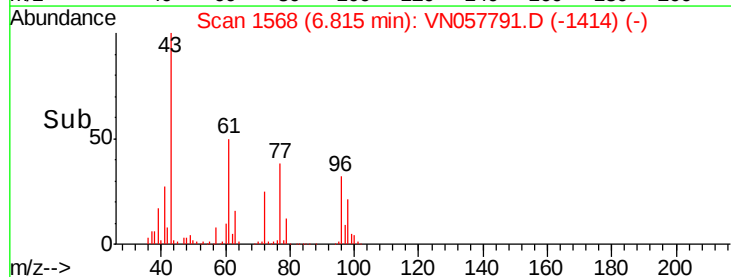
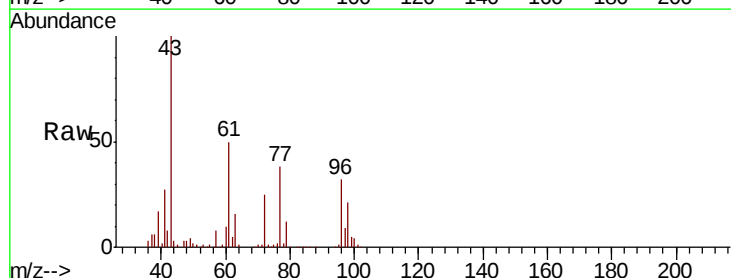
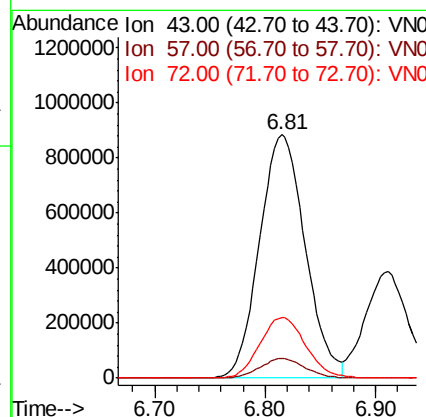
Manual Integrations
 APPROVED

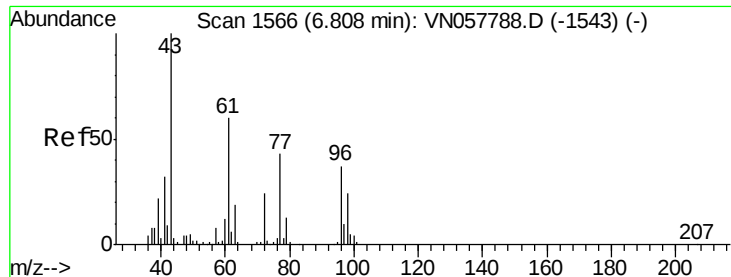
MMDadoda
 9/13/2019 11:04:50 AM



#30
 2-Butanone
 Concen: 737.169 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.4	9.6
72	25.3	20.3	30.5





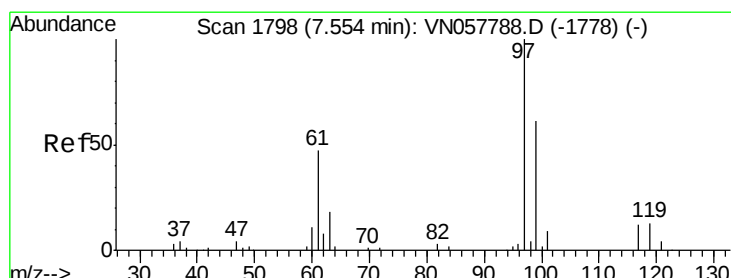
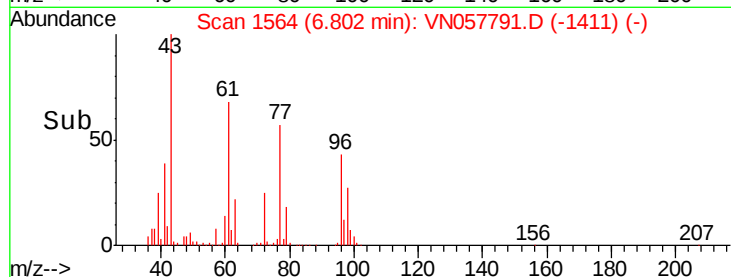
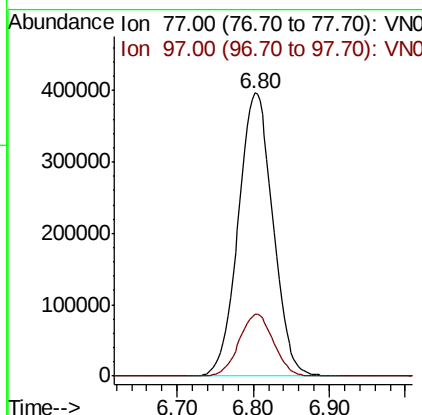
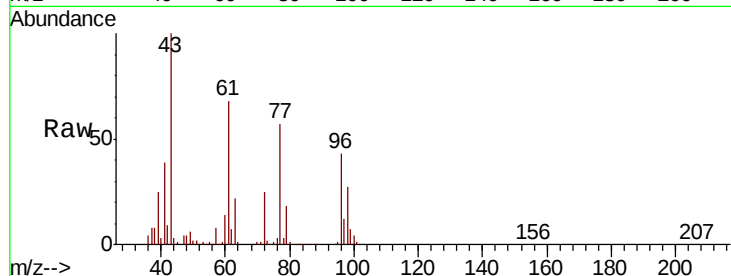
#31
 2,2-Dichloropropane
 Concen: 155.961 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 77 Resp: 1255367
 Ion Ratio Lower Upper
 77 100
 97 21.7 17.7 26.5

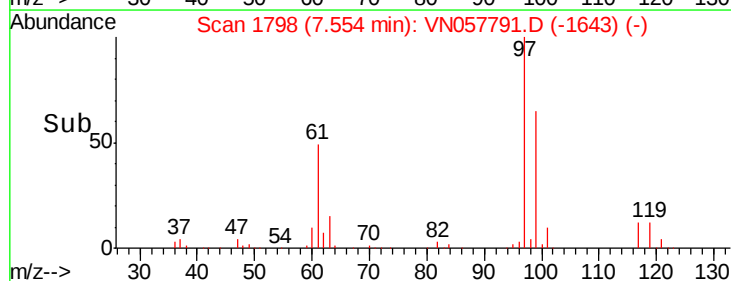
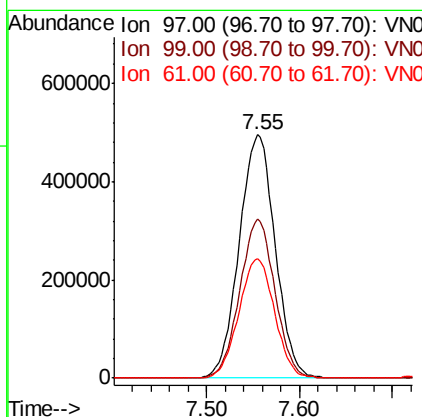
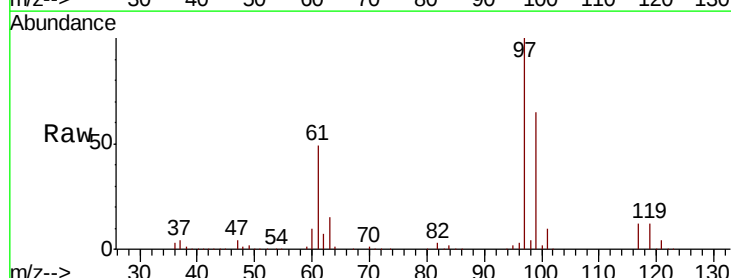
Manual Integrations
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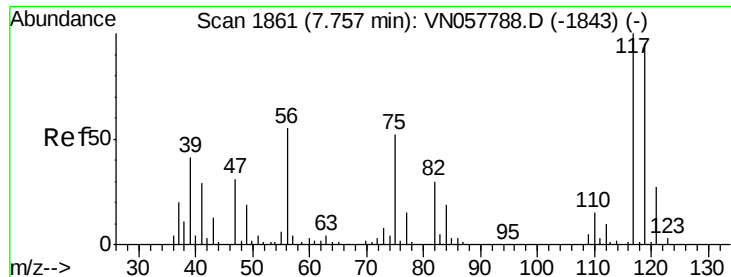
MMDadoda
 9/13/2019 11:04:50 AM



#32
 1,1,1-Trichloroethane
 Concen: 155.623 ug/l
 RT: 7.55 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 97 Resp: 1333981
 Ion Ratio Lower Upper
 97 100
 99 64.0 49.8 74.8
 61 48.8 38.7 58.1





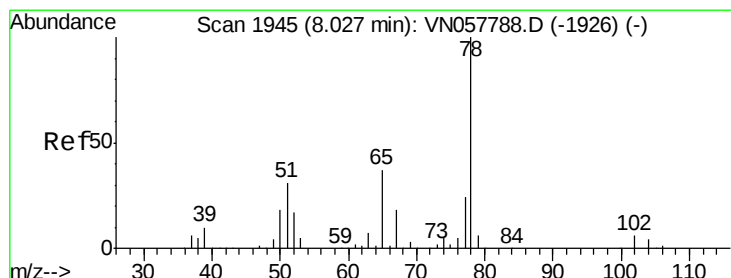
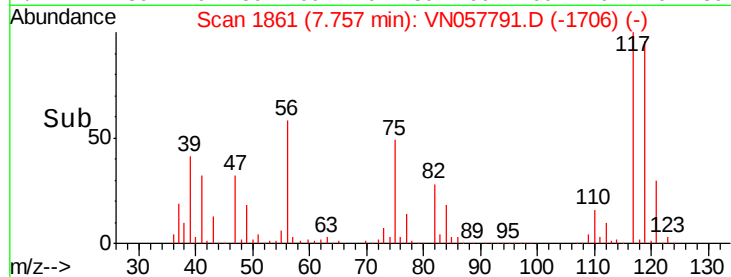
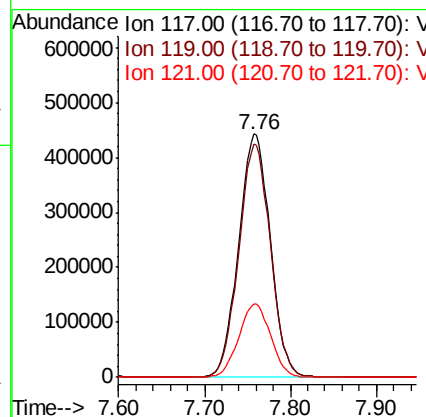
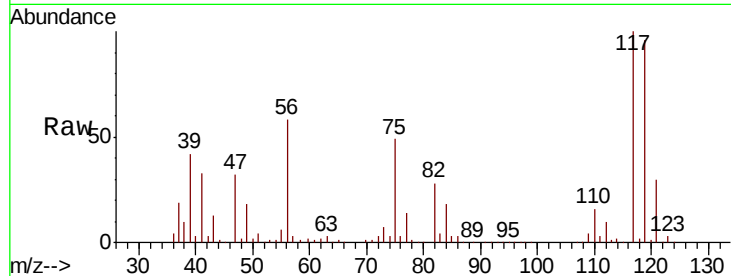
#33
Carbon Tetrachloride
Concen: 161.971 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 117 Resp: 1132604
Ion Ratio Lower Upper
117 100
119 95.6 75.7 113.5
121 30.0 21.7 32.5

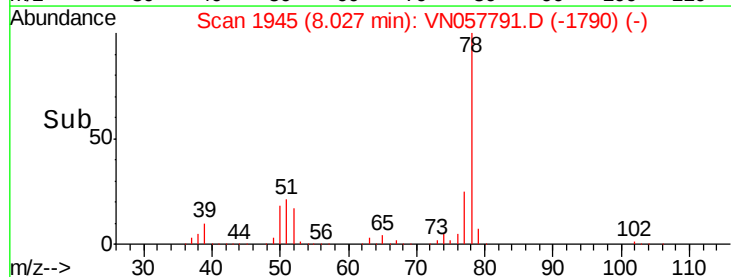
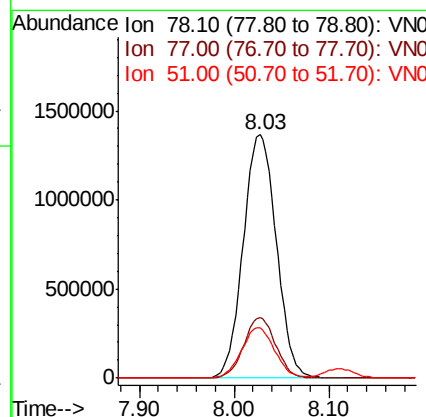
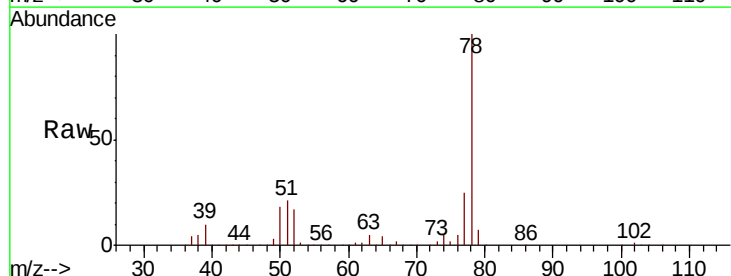
Manual Integrations
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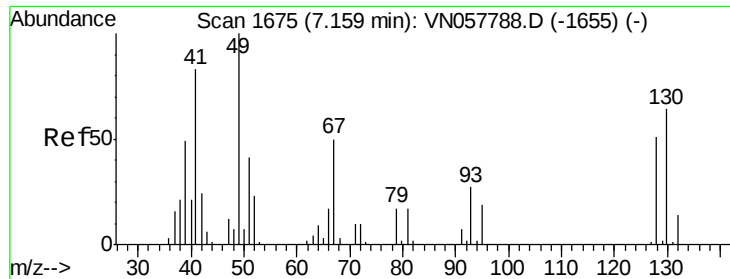
MMDadoda
9/13/2019 11:04:50 AM



#34
Benzene
Concen: 146.951 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 78 Resp: 3319650
Ion Ratio Lower Upper
78 100
77 25.1 19.2 28.8
51 20.5 24.9 37.3#





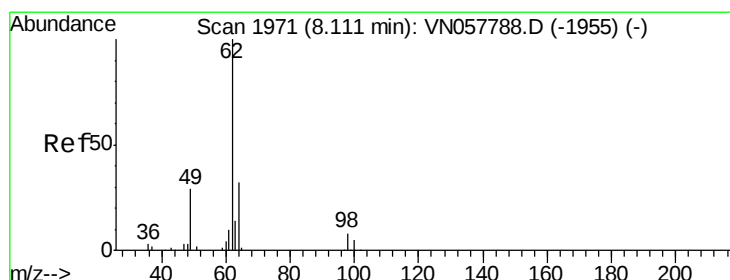
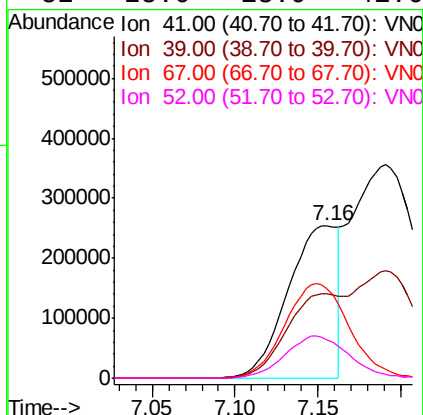
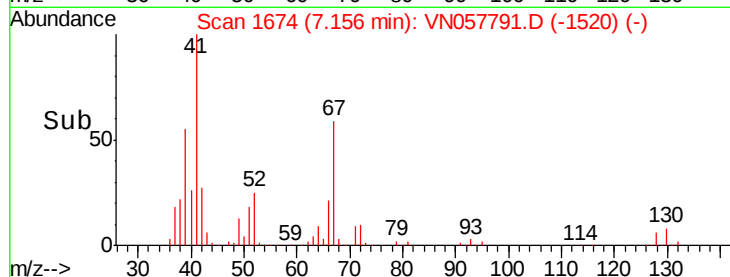
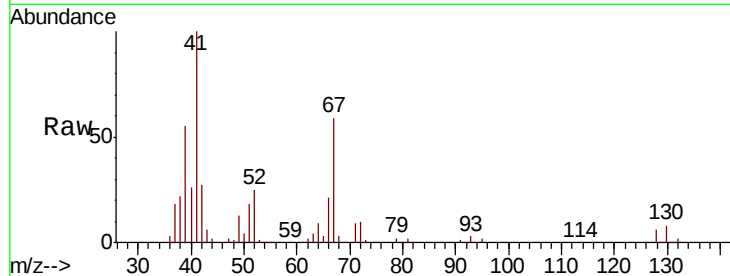
#35
Methacrylonitrile
Concen: 169.241 ug/l
RT: 7.16 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion:	41	Resp:	530050
Ion	Ratio	Lower	Upper
41	100		
39	55.3	29.8	89.5
67	59.3	30.0	90.1
52	25.0	13.9	41.6

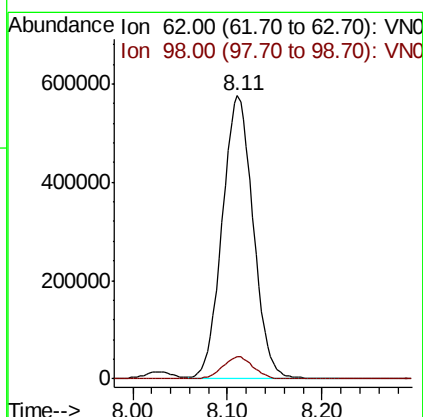
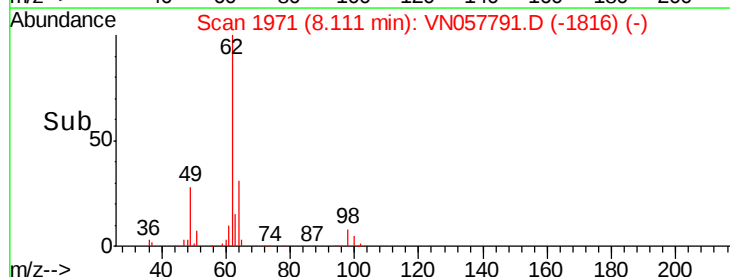
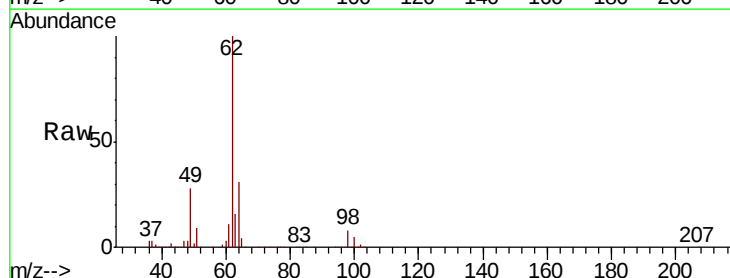
Manual Integrations
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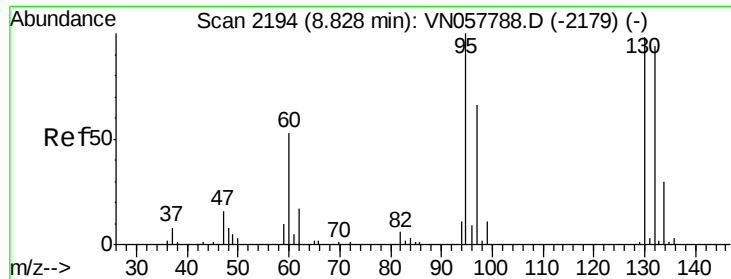
MMDadoda
9/13/2019 11:04:50 AM



#36
1,2-Dichloroethane
Concen: 148.994 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:	62	Resp:	1306117
Ion	Ratio	Lower	Upper
62	100		
98	7.8	6.6	9.8





#37

Trichloroethene

Concen: 152.879 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:130 Resp: 838798

Ion Ratio Lower Upper

130 100

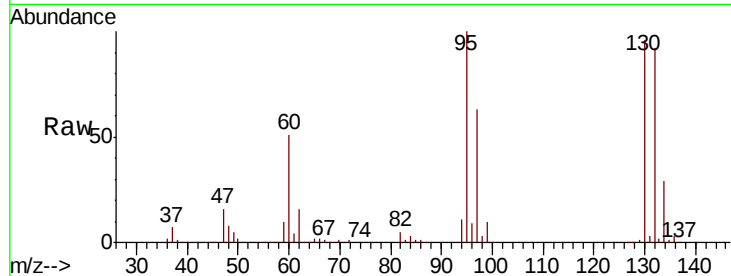
95 104.0 81.9 122.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VN057788.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN057788.D (-2179) (-)

8.82

400000

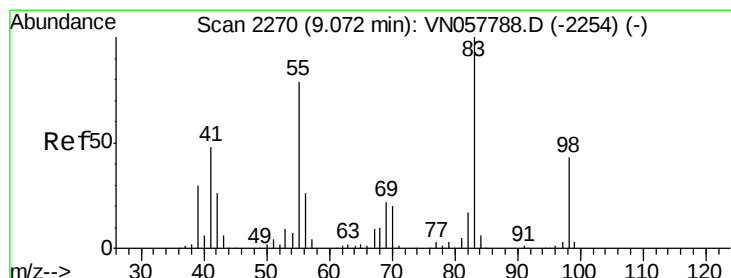
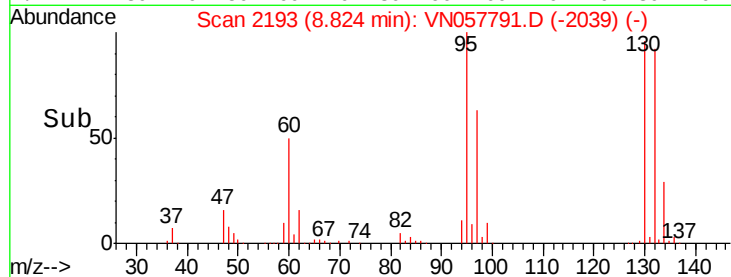
300000

200000

100000

0

Time-->



#38

Methylcyclohexane

Concen: 153.490 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

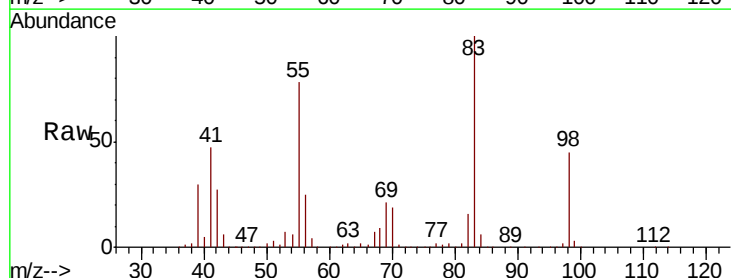
Tgt Ion: 83 Resp: 1332485

Ion Ratio Lower Upper

83 100

55 77.7 39.6 118.7

98 44.8 21.8 65.4



Abundance Ion 83.00 (82.70 to 83.70): VN057788.D (-2254) (-)

Ion 55.00 (54.70 to 55.70): VN057788.D (-2254) (-)

Ion 98.00 (97.70 to 98.70): VN057788.D (-2254) (-)

9.07

800000

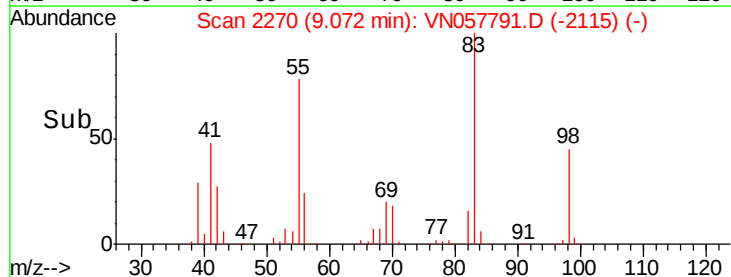
600000

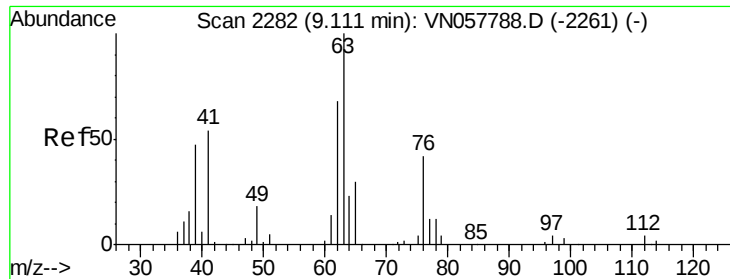
400000

200000

0

Time-->





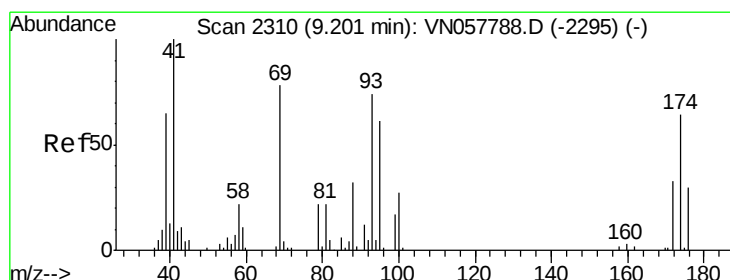
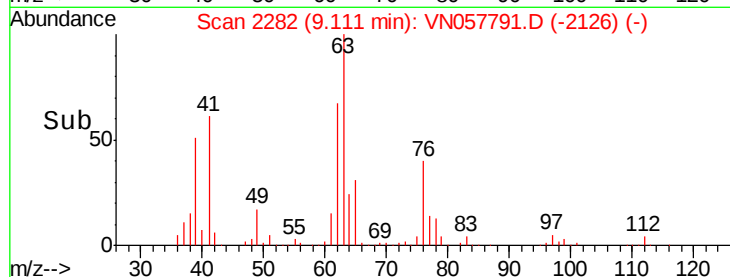
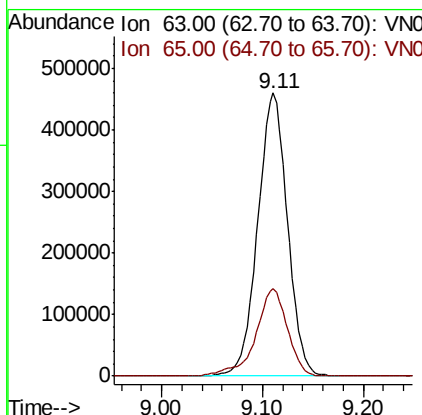
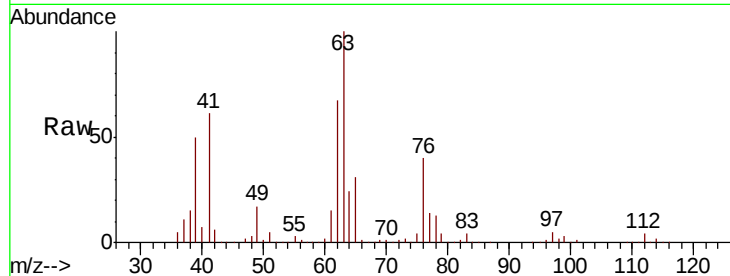
#39
 1,2-Dichloropropane
 Concen: 148.306 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 63 Resp: 940866
 Ion Ratio Lower Upper
 63 100
 65 30.7 23.6 35.4

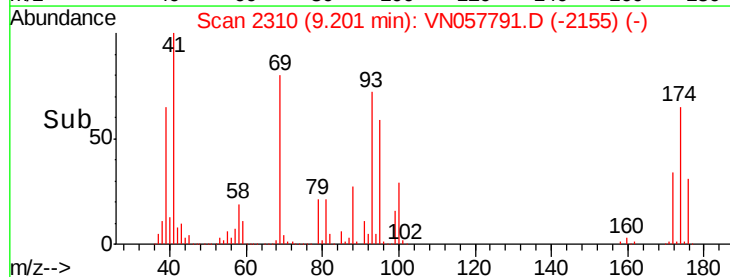
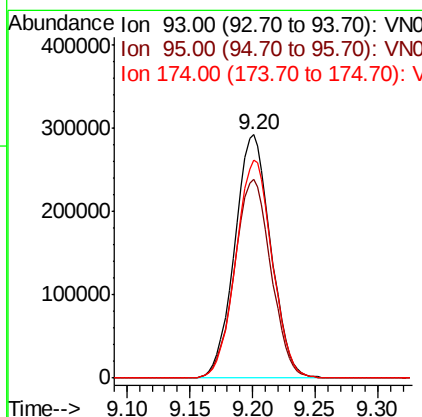
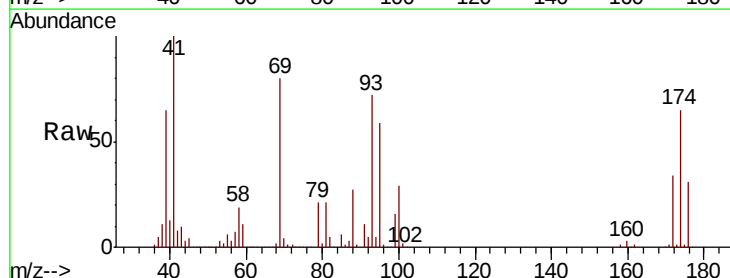
Manual Integrations
 APPROVED

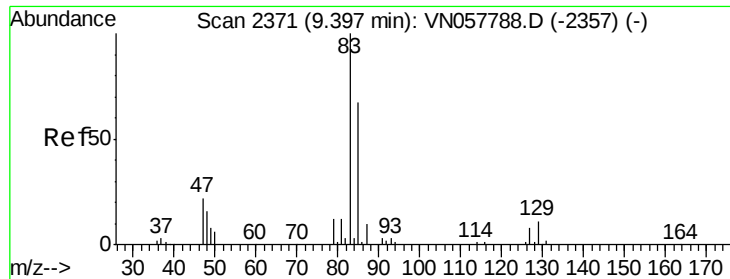
MMDadoda
 9/13/2019 11:04:50 AM



#40
 Dibromomethane
 Concen: 151.729 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 93 Resp: 585455
 Ion Ratio Lower Upper
 93 100
 95 82.4 0.0 163.0
 174 90.2 0.0 171.4





#41

Bromodichloromethane

Concen: 160.635 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 1249601

Ion Ratio Lower Upper

83 100

85 64.7 53.4 80.0

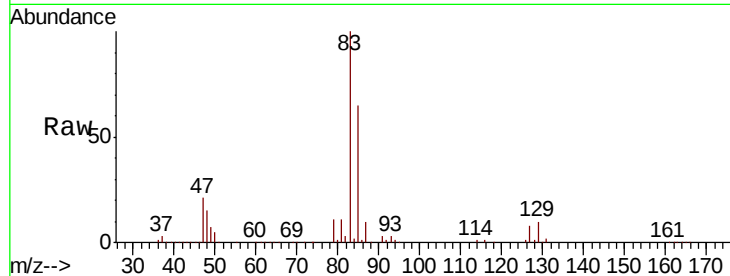
127 8.1 6.6 10.0

Manual Integrations

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MMDadoda

9/13/2019 11:04:50 AM

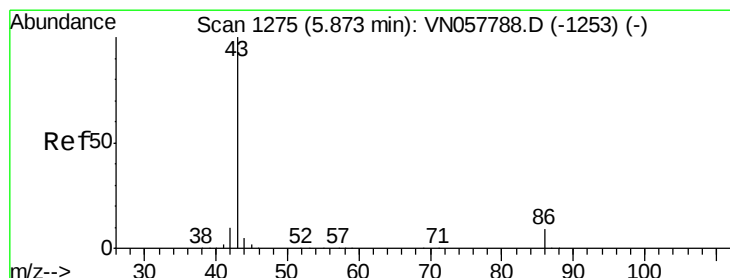
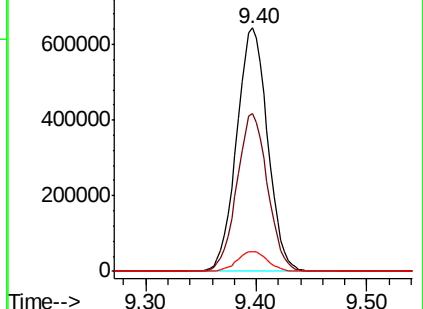
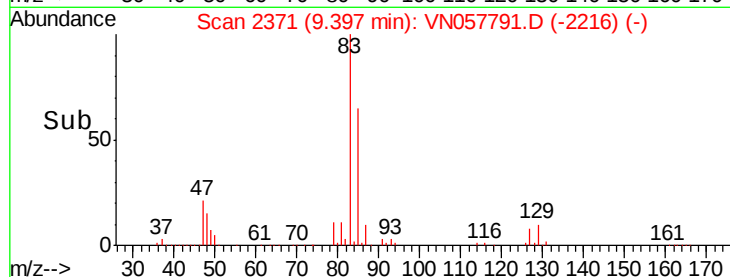


Abundance Ion 83.00 (82.70 to 83.70): VN057791.D (-2216) (-)

Ion 85.00 (84.70 to 85.70): VN057791.D (-2216) (-)

Ion 127.00 (126.70 to 127.70): VN057791.D (-2216) (-)

Time-->



#42

Vinyl Acetate

Concen: 655.233 ug/l m

RT: 5.87 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VN057791.D

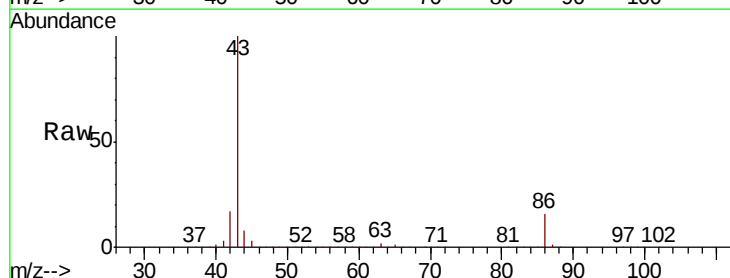
Acq: 9 Sep 2019 10:40

Tgt Ion: 43 Resp: 9057820

Ion Ratio Lower Upper

43 100

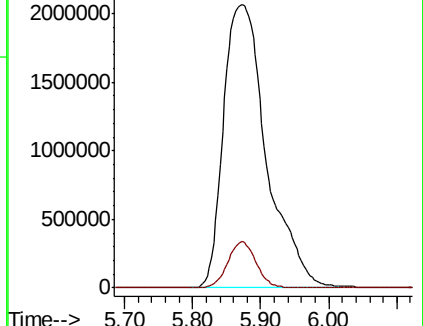
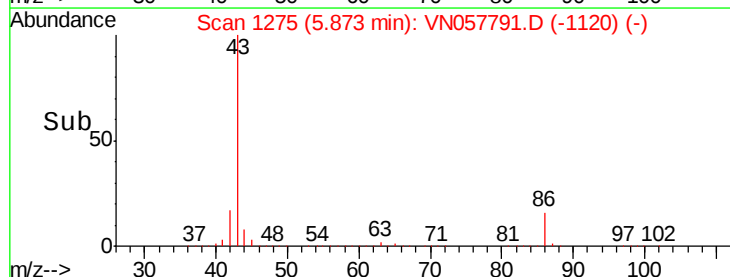
86 0.0 6.3 9.5#

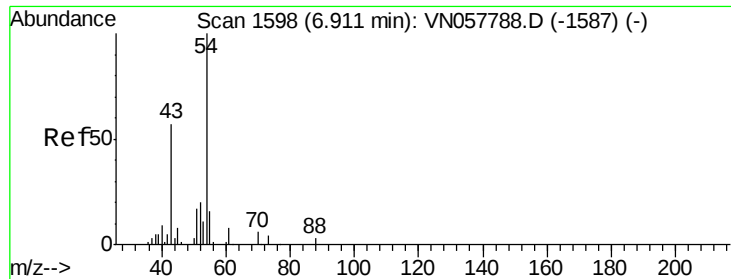


Abundance Ion 43.00 (42.70 to 43.70): VN057791.D (-1120) (-)

Ion 86.00 (85.70 to 86.70): VN057791.D (-1120) (-)

Time-->





#43

Ethyl Acetate

Concen: 154.019 ug/l m

RT: 6.91 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1092137

Ion Ratio Lower Upper

43 100

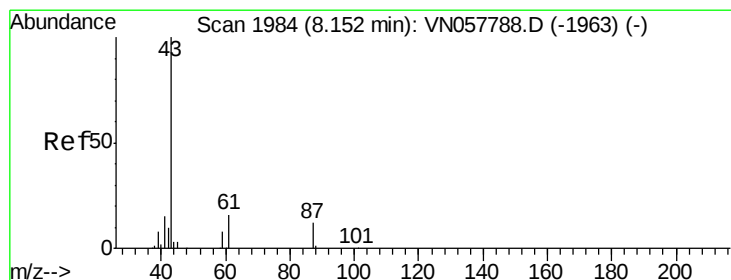
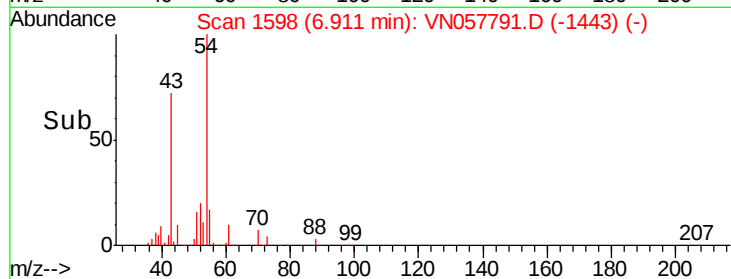
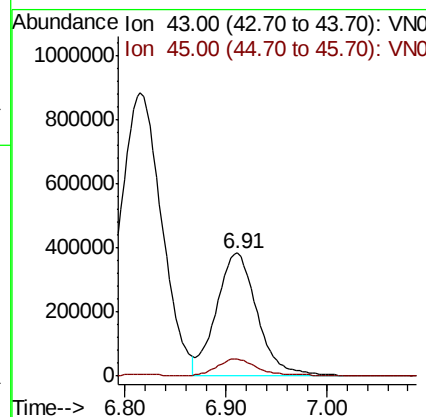
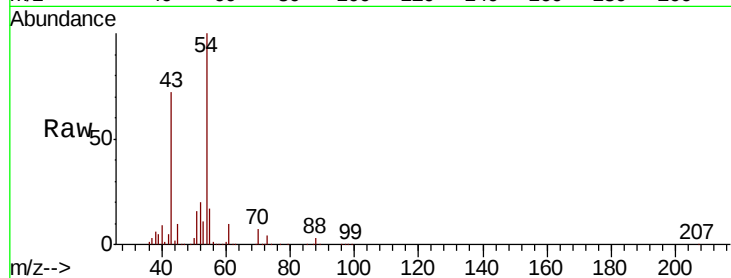
45 1.8 5.4 8.0#

Manual Integrations

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MMDadoda

9/13/2019 11:04:50 AM



#44

Isopropyl Acetate

Concen: 156.484 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057791.D

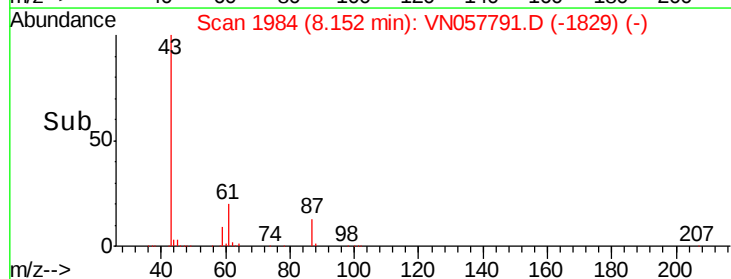
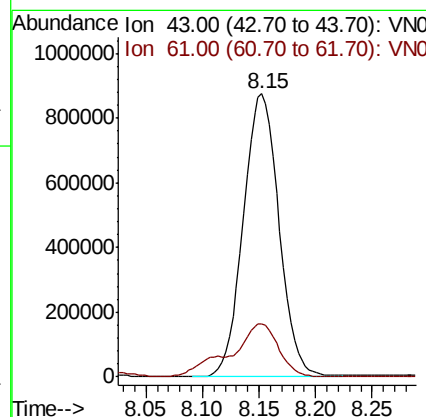
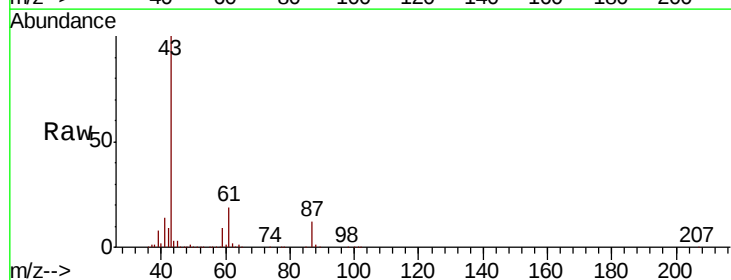
Acq: 9 Sep 2019 10:40

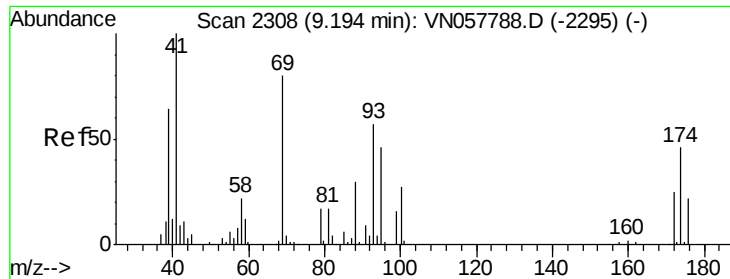
Tgt Ion: 43 Resp: 1921380

Ion Ratio Lower Upper

43 100

61 18.4 0.1 0.1#





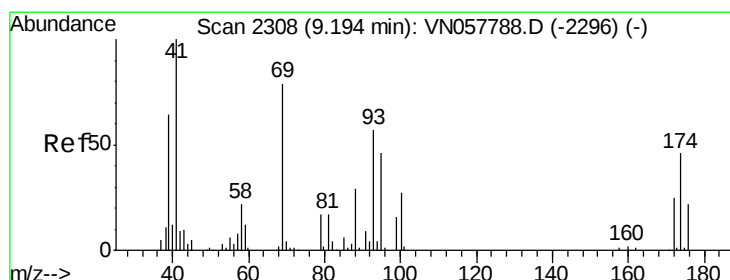
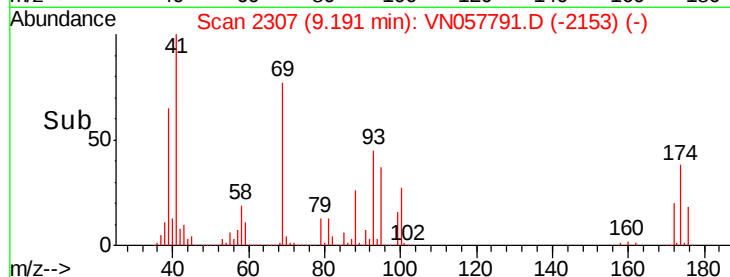
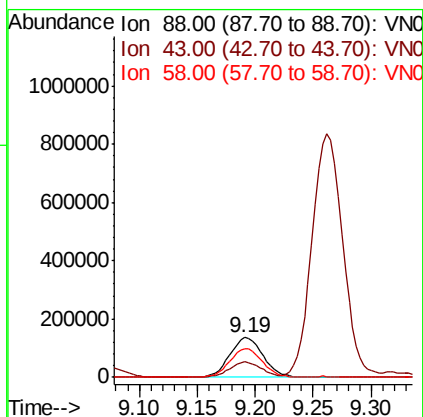
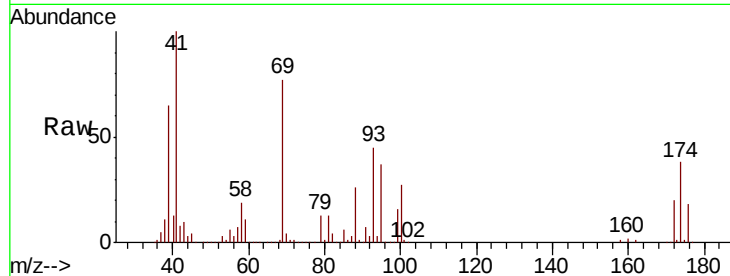
#45
 1,4-Dioxane
 Concen: 2836.288 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	272540		
43	35.8	28.2	42.4	
58	71.0	58.5	87.7	

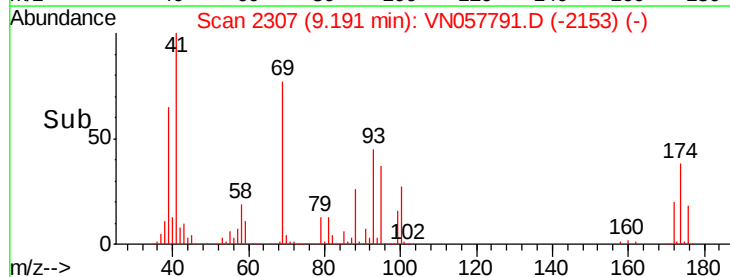
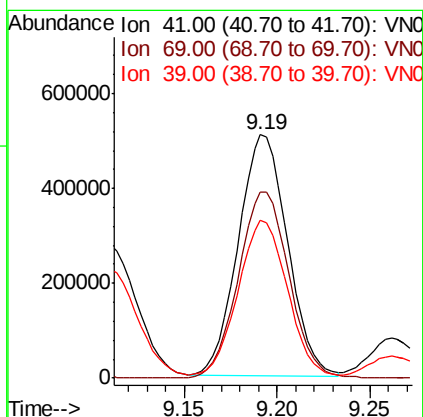
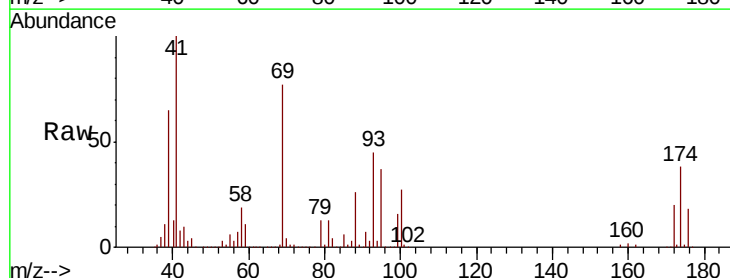
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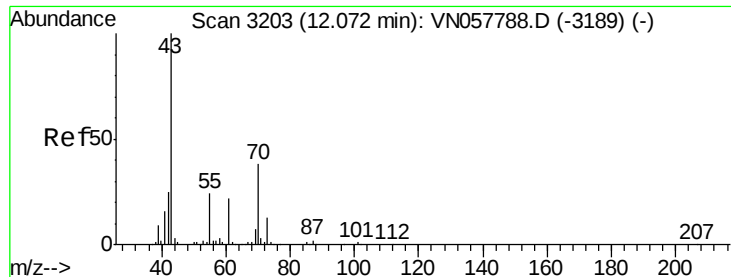
MMDadoda
 9/13/2019 11:04:50 AM



#46
 Methyl methacrylate
 Concen: 156.584 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	935342		
69	77.1	39.6	119.0	
39	64.1	31.9	95.7	





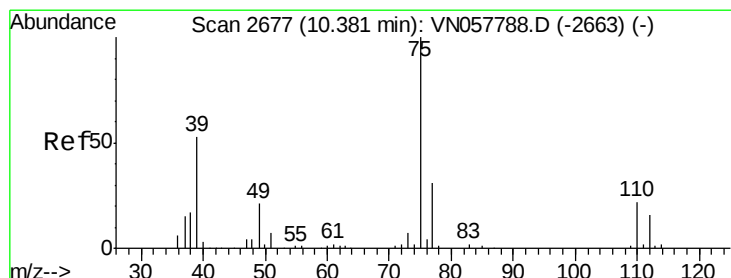
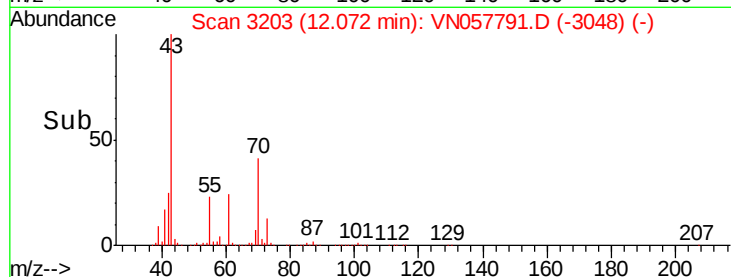
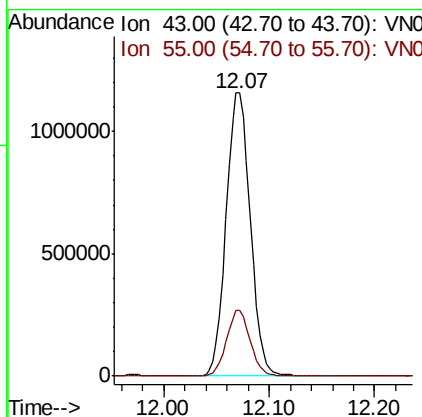
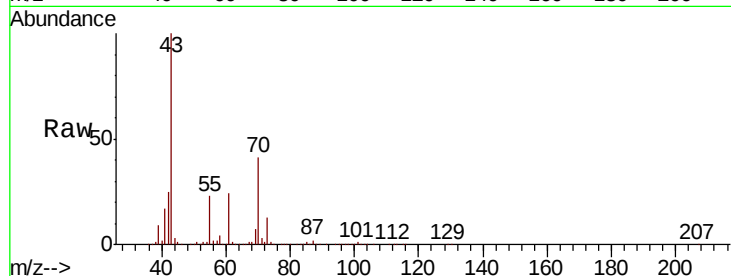
#47
n-amyl Acetate
Concen: 163.185 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 43 Resp: 1832124
Ion Ratio Lower Upper
43 100
55 22.6 18.3 27.5

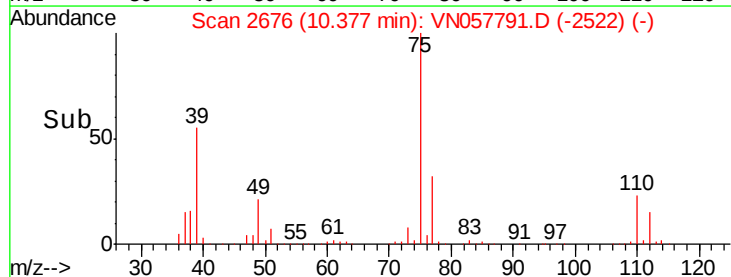
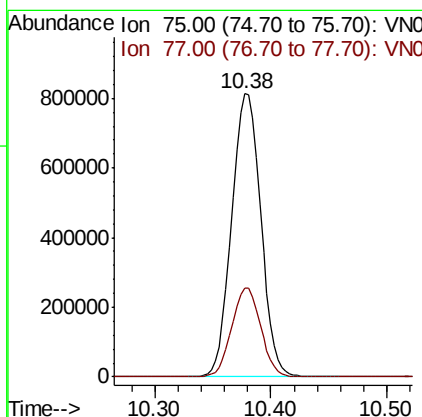
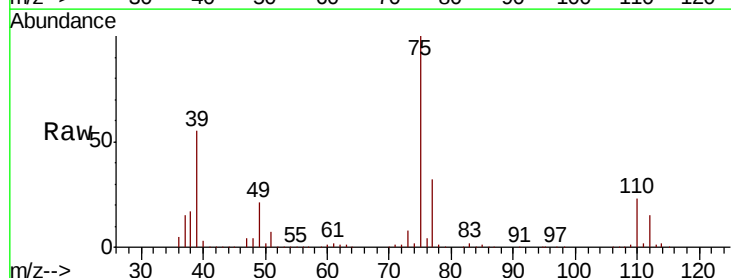
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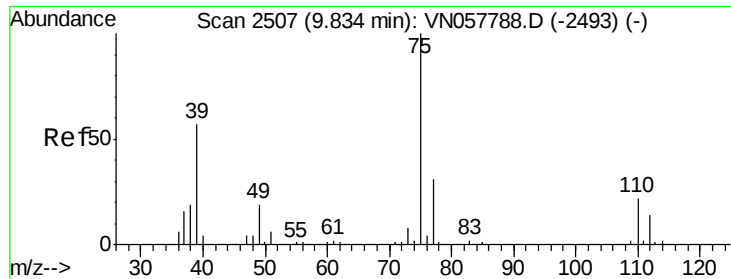
MMDadoda
9/13/2019 11:04:50 AM



#48
t-1,3-Dichloropropene
Concen: 170.692 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 75 Resp: 1413624
Ion Ratio Lower Upper
75 100
77 31.5 24.9 37.3





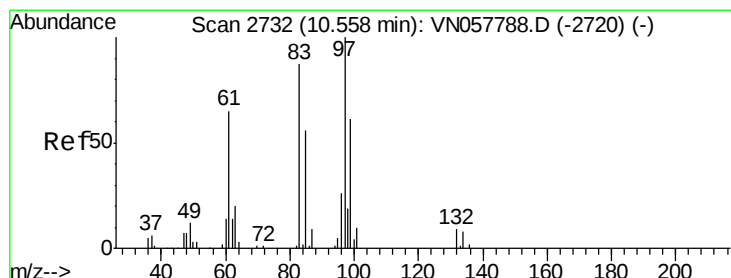
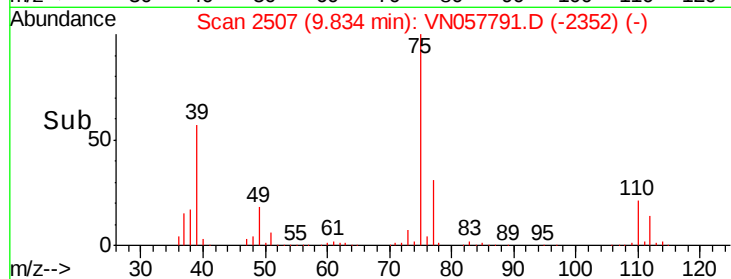
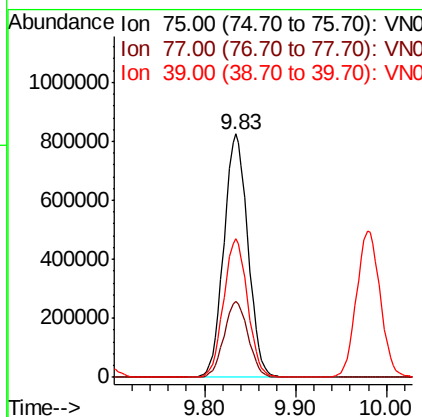
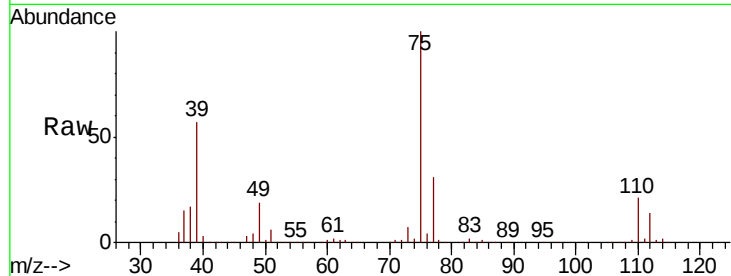
#49
 cis-1,3-Dichloropropene
 Concen: 162.698 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC150

Tgt Ion: 75 Resp: 1511779
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 36.8
 39 57.0 45.8 68.8

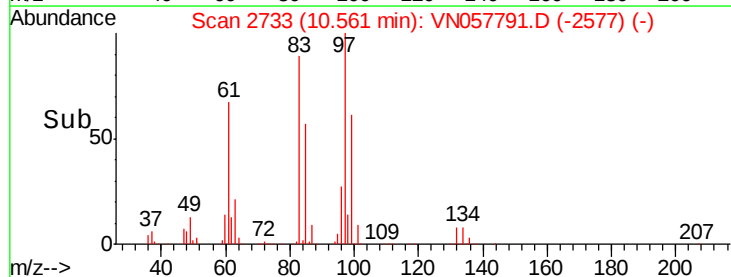
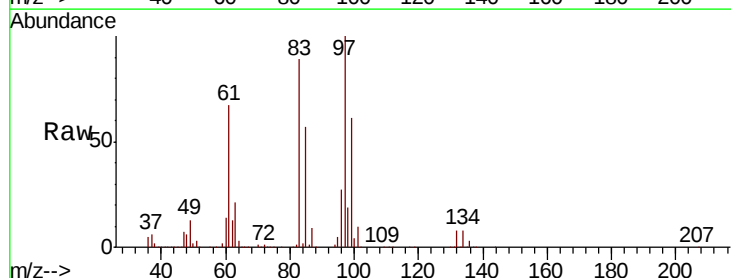
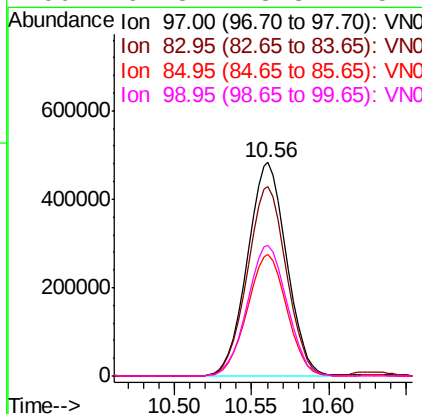
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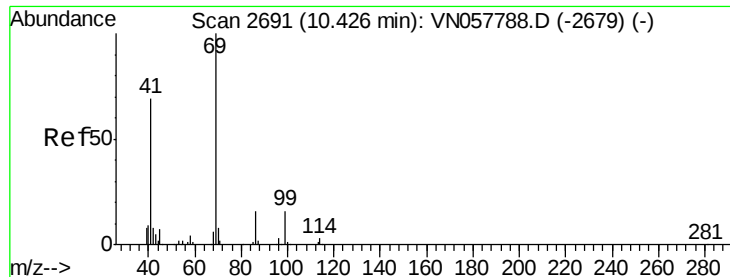
MMDadoda
 9/13/2019 11:04:50 AM



#50
 1,1,2-Trichloroethane
 Concen: 152.198 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 97 Resp: 851835
 Ion Ratio Lower Upper
 97 100
 83 88.8 69.4 104.2
 85 57.2 45.0 67.6
 99 61.3 48.8 73.2





#51

Ethyl methacrylate

Concen: 159.649 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 69 Resp: 1385481

Ion Ratio Lower Upper

69 100

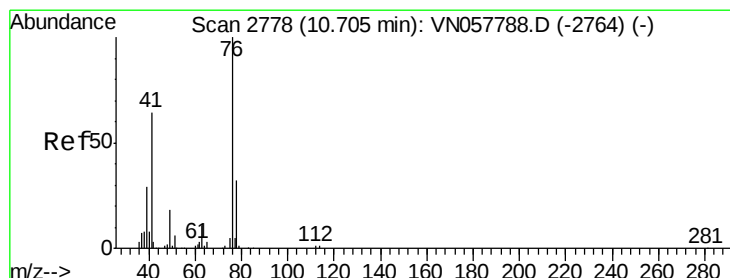
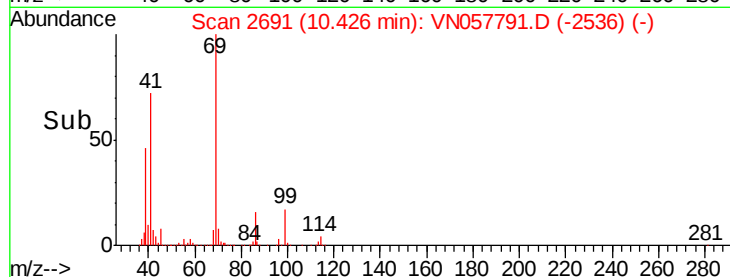
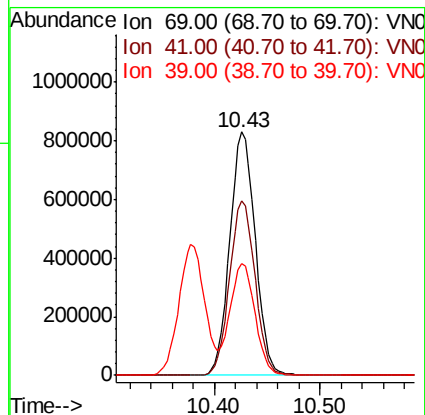
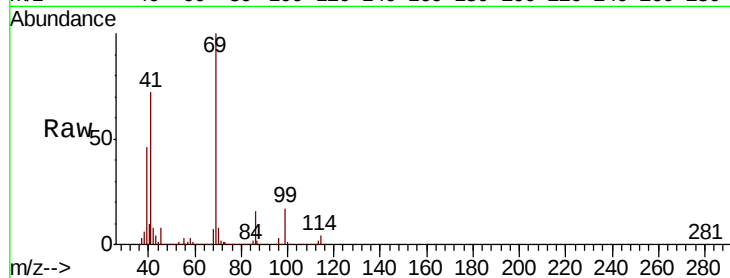
41 71.6 34.5 103.5

39 46.0 22.4 67.3

Manual Integrations
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MMDadoda

9/13/2019 11:04:50 AM



#52

1,3-Dichloropropane

Concen: 152.248 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN057791.D

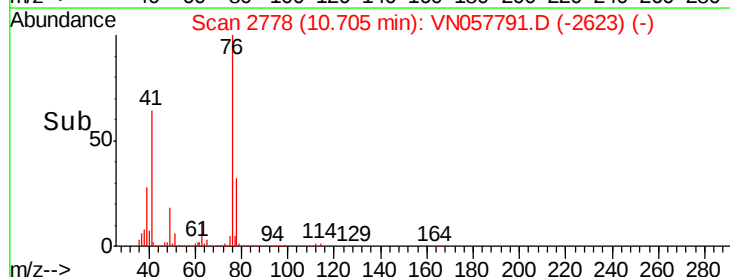
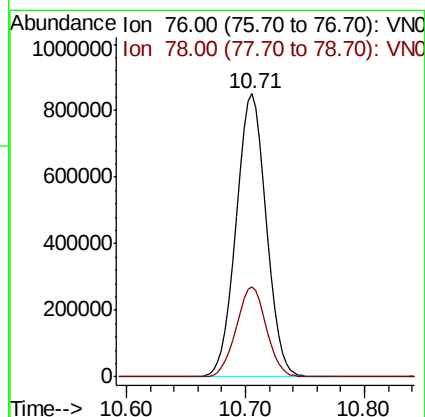
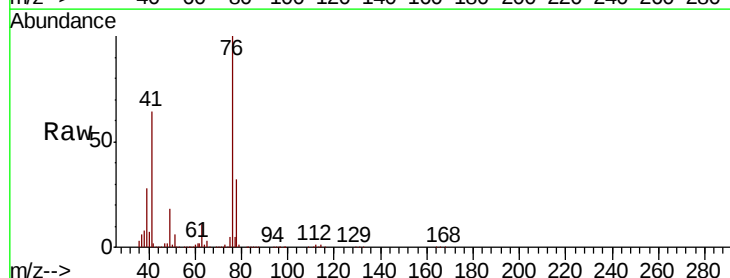
Acq: 9 Sep 2019 10:40

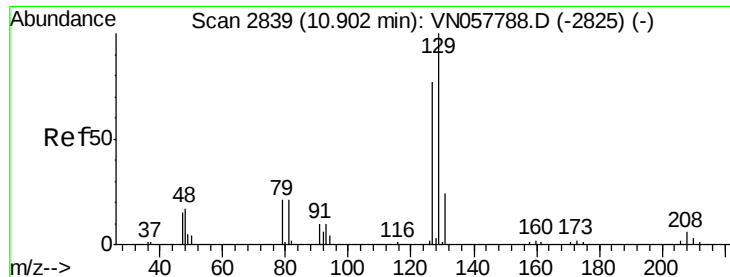
Tgt Ion: 76 Resp: 1490196

Ion Ratio Lower Upper

76 100

78 31.9 0.0 63.8





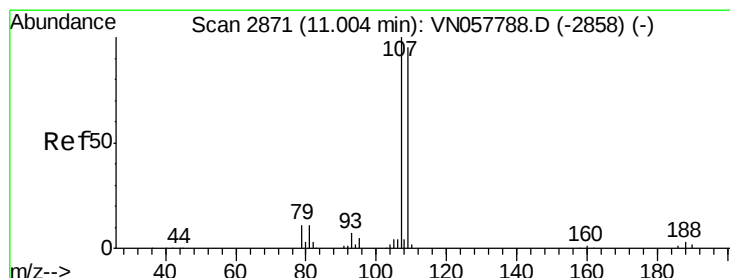
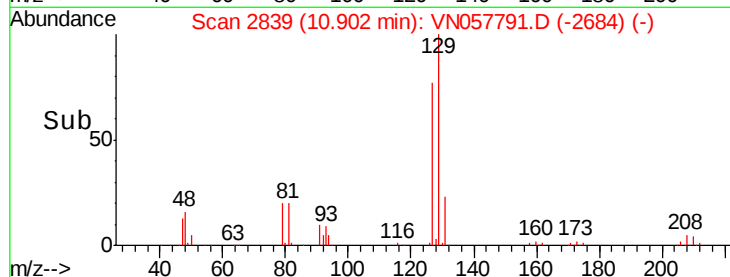
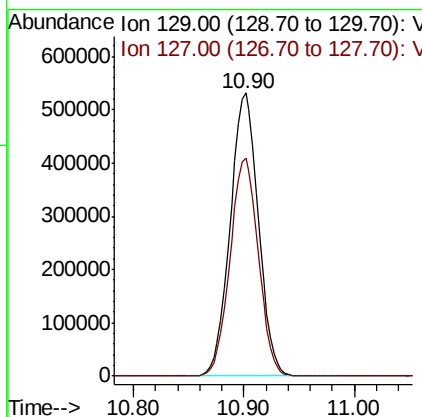
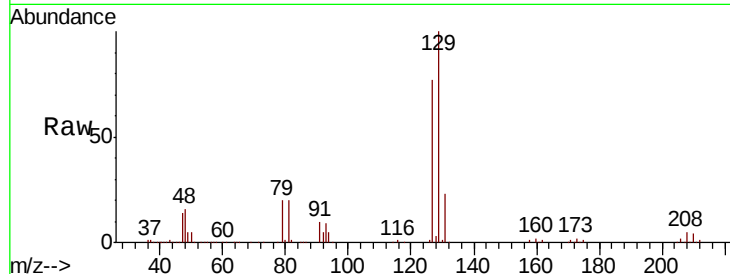
#53
Dibromochloromethane
Concen: 170.319 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:129 Resp: 941428
Ion Ratio Lower Upper
129 100
127 77.4 38.8 116.3

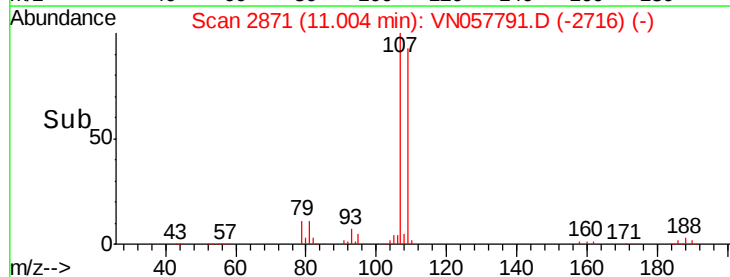
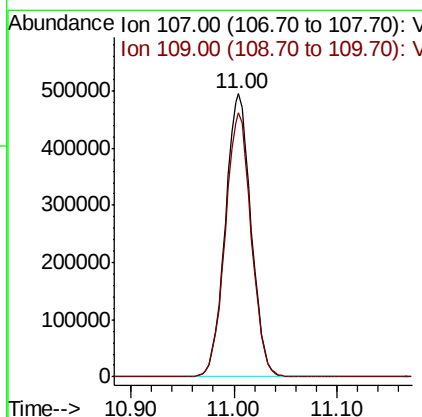
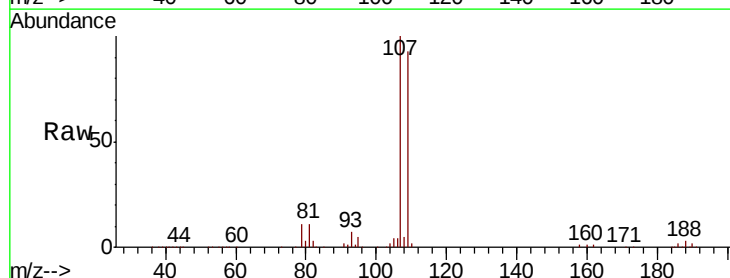
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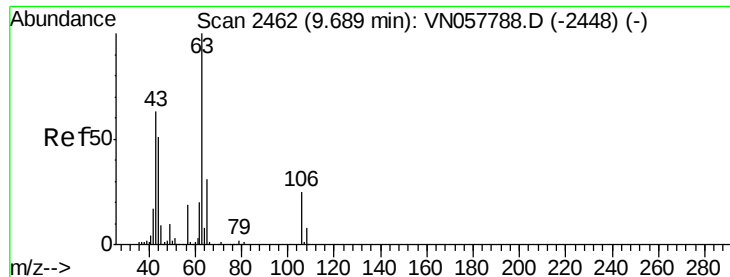
MMDadoda
9/13/2019 11:04:50 AM



#54
1,2-Dibromoethane
Concen: 154.501 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:107 Resp: 860371
Ion Ratio Lower Upper
107 100
109 94.3 75.4 113.0





#55

2-Chloroethyl vinyl ether

Concen: 736.547 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 63 Resp: 3037292

Ion Ratio Lower Upper

63 100

65 34.8 25.0 37.6

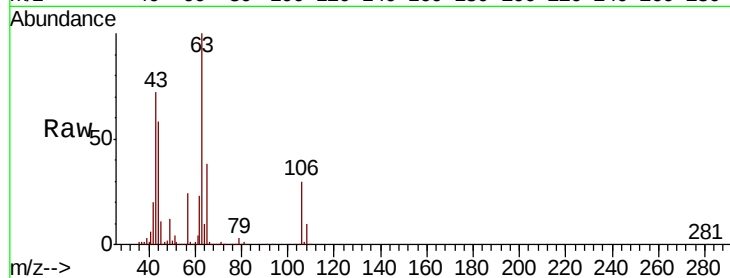
106 27.3 19.8 29.8

Manual Integrations

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MMDadoda

9/13/2019 11:04:50 AM

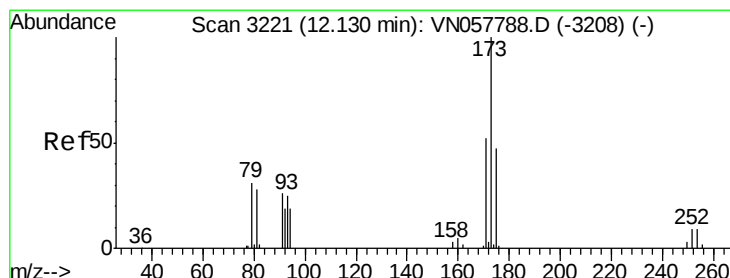
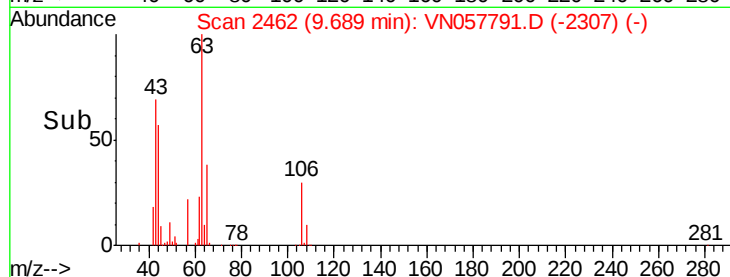
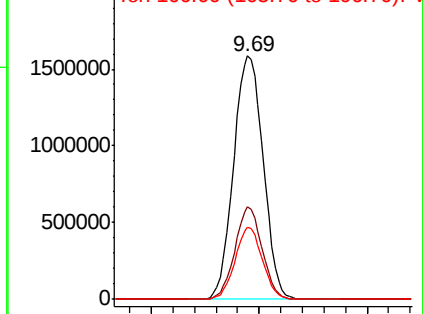


Abundance

Ion 63.00 (62.70 to 63.70): VN057788.D (-2448) (-)

Ion 65.00 (64.70 to 65.70): VN057788.D (-2448) (-)

Ion 106.00 (105.70 to 106.70): VN057788.D (-2448) (-)



#56

Bromoform

Concen: 182.395 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

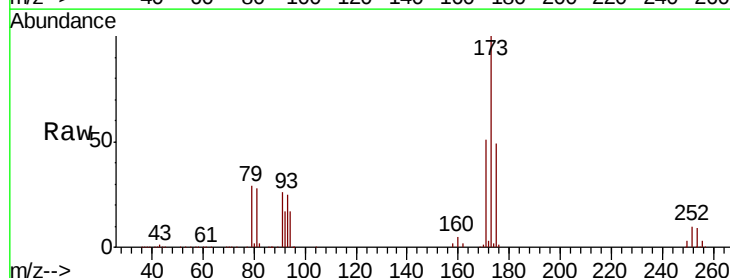
Tgt Ion: 173 Resp: 624563

Ion Ratio Lower Upper

173 100

175 48.5 38.4 57.6

254 9.5 6.9 10.3

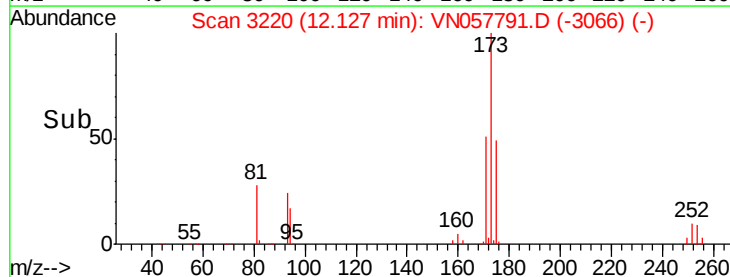
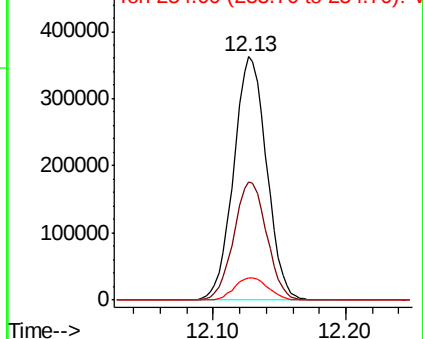


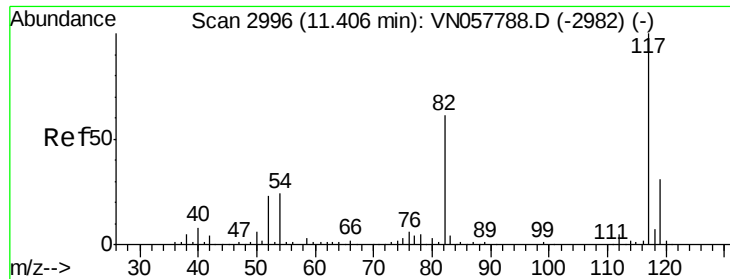
Abundance

Ion 173.00 (172.70 to 173.70): VN057788.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN057788.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN057788.D (-3208) (-)





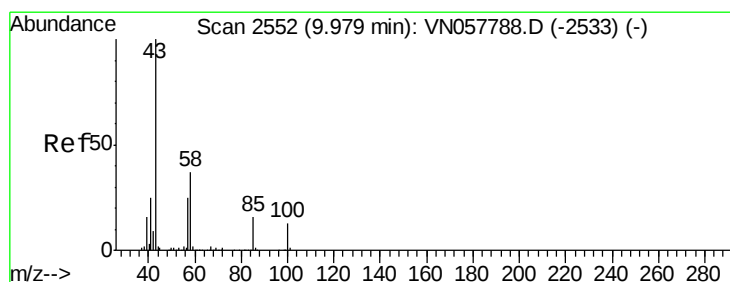
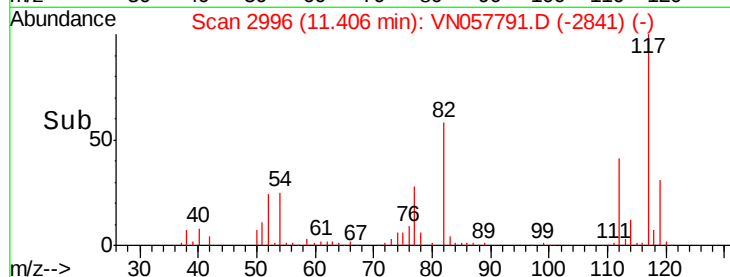
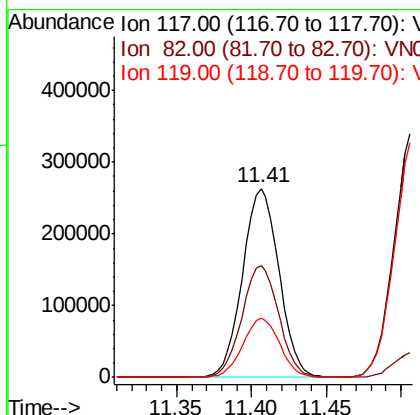
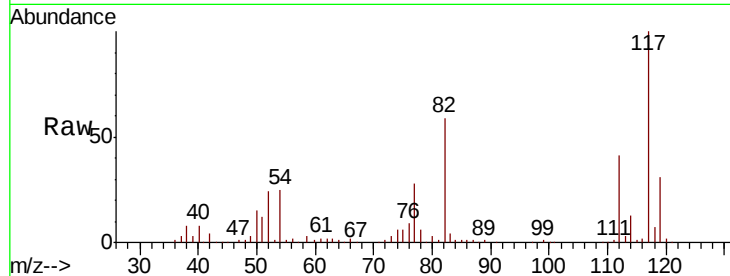
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.6	71.4
119	31.7	25.4	38.2

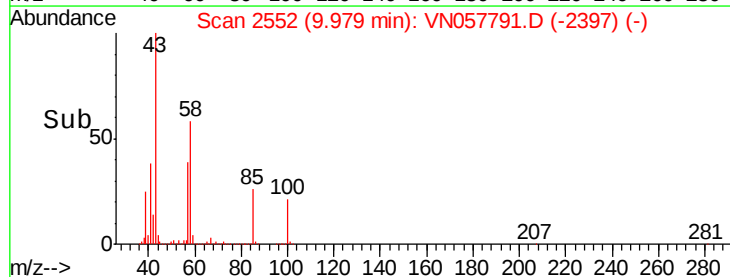
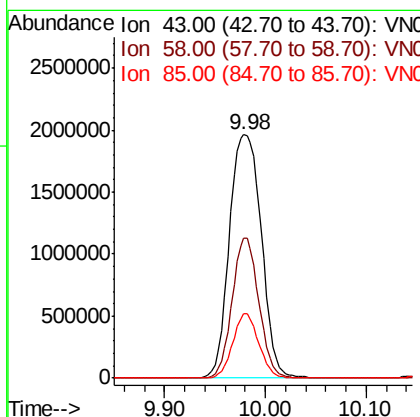
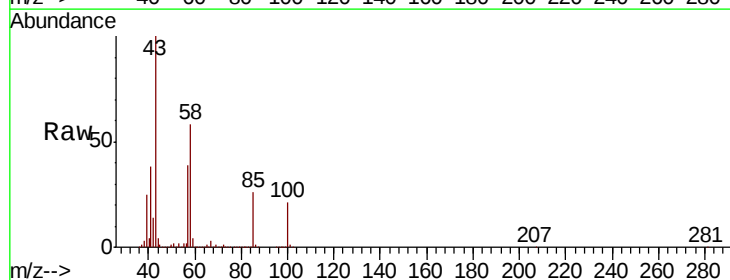
Manual Integrations
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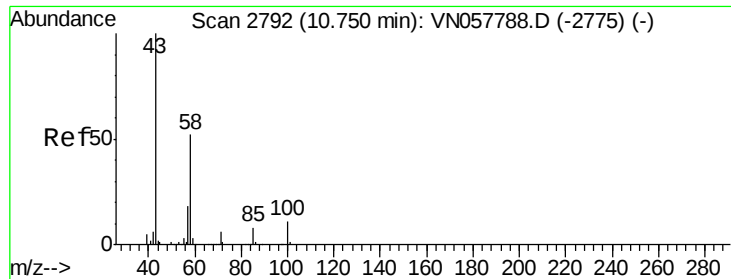
MMDadoda
9/13/2019 11:04:50 AM



#58
4-Methyl-2-Pentanone
Concen: 622.621 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.2	29.4	44.0#
85	21.7	12.9	19.3#





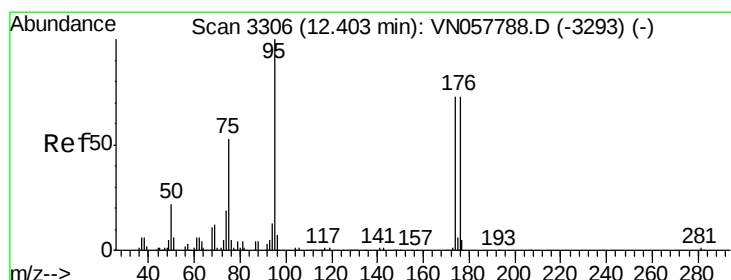
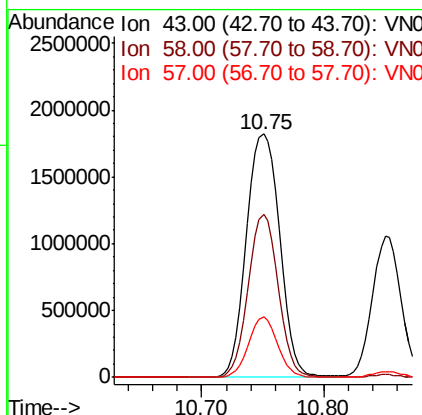
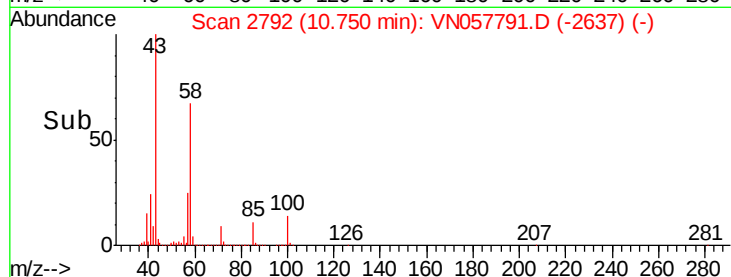
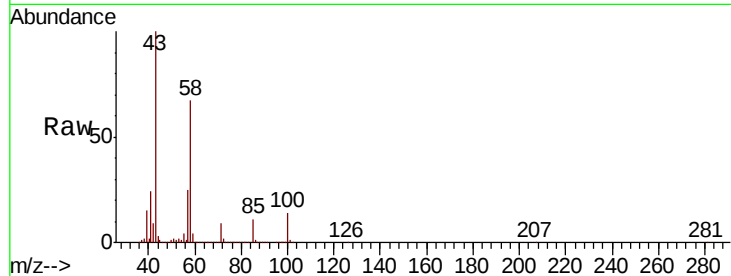
#59
2-Hexanone
Concen: 659.679 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 3432463
Ion Ratio Lower Upper
43 100
58 60.1 40.6 61.0
57 21.6 14.5 21.7

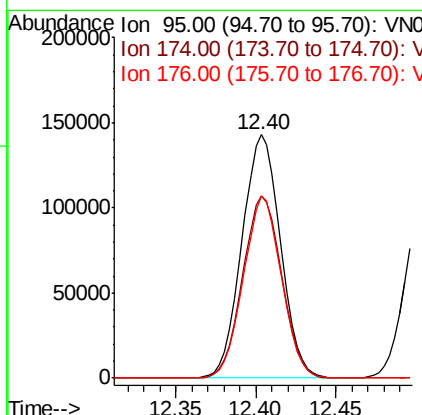
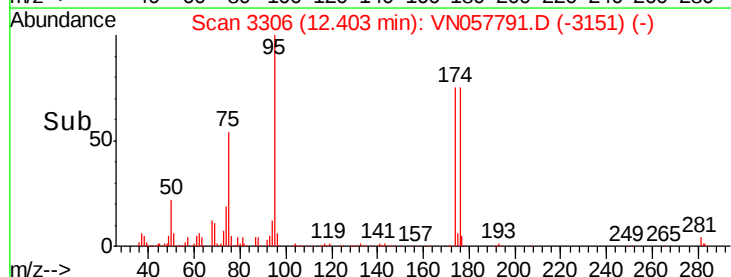
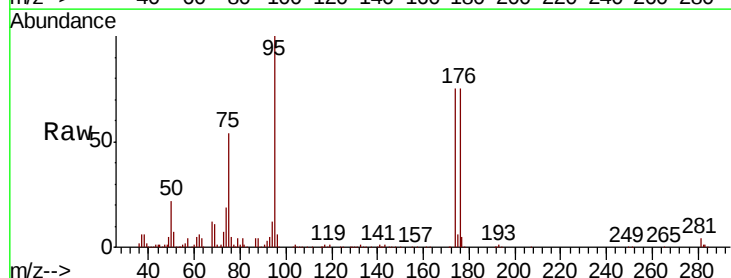
Manual Integrations
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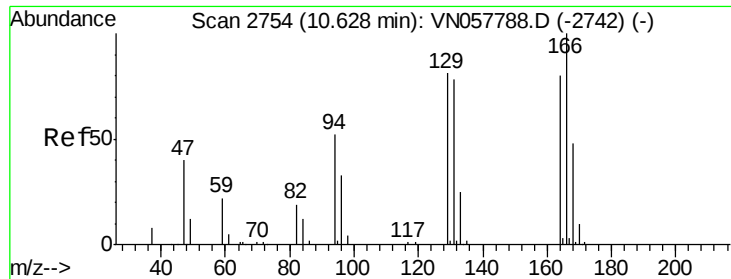
MMDadoda
9/13/2019 11:04:50 AM



#60
4-Bromofluorobenzene
Concen: 30.755 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 95 Resp: 235304
Ion Ratio Lower Upper
95 100
174 76.0 59.4 89.0
176 73.9 57.4 86.0





#61

Tetrachloroethene

Concen: 151.358 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

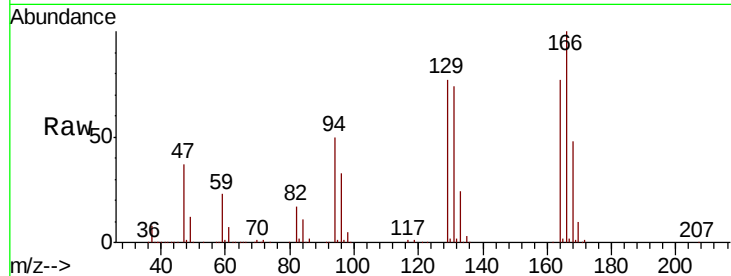
ClientSampleId :

VSTDIC150

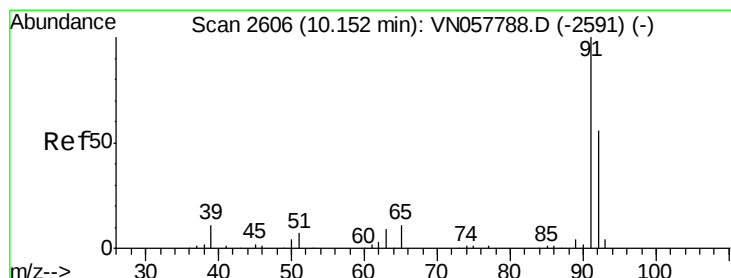
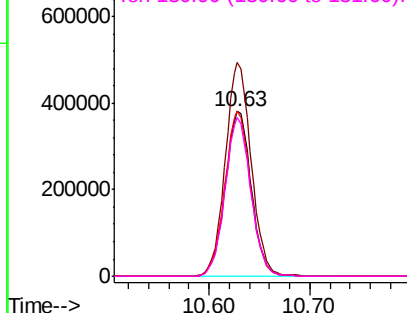
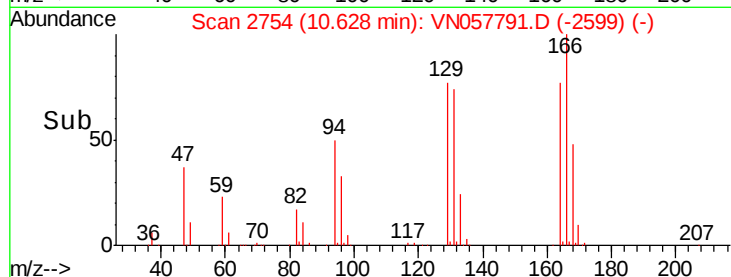
Tgt Ion:	164	Resp:	688063
Ion Ratio	Lower	Upper	
164	100		
166	129.4	99.6	149.4
129	99.7	80.9	121.3
131	96.0	77.2	115.8

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Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 137.384 ug/l

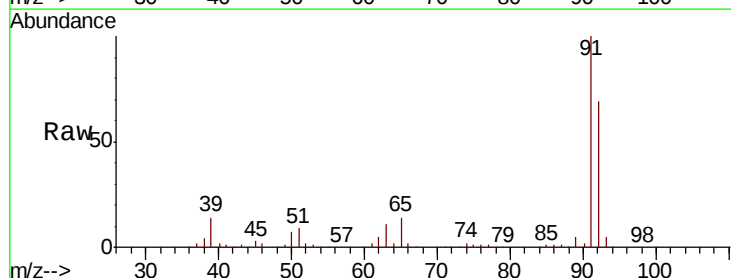
RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

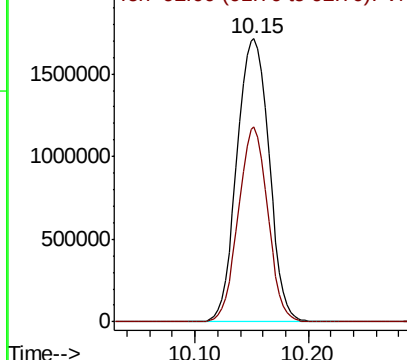
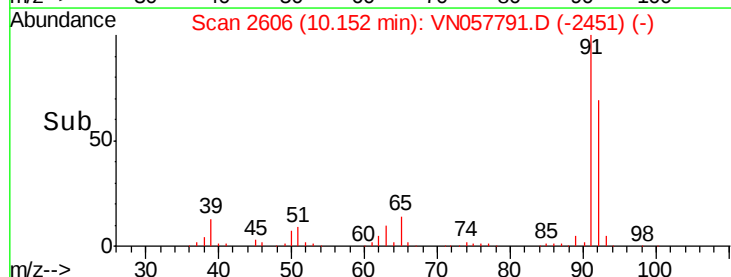
Lab File: VN057791.D

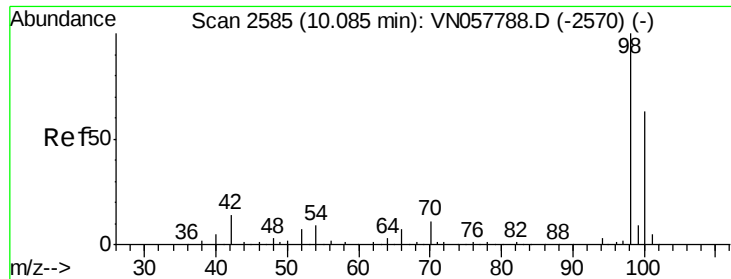
Acq: 9 Sep 2019 10:40

Tgt Ion:	91	Resp:	3401231
Ion Ratio	Lower	Upper	
91	100		
92	63.1	44.9	67.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 92.00 (91.70 to 92.70): VN0





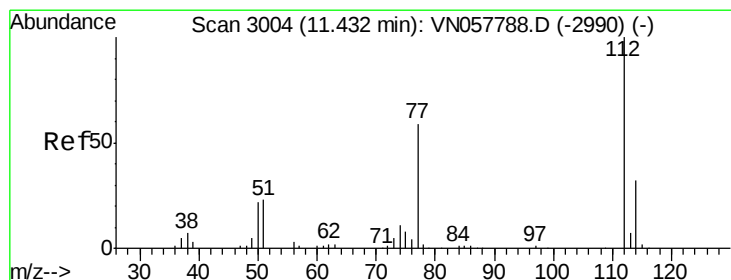
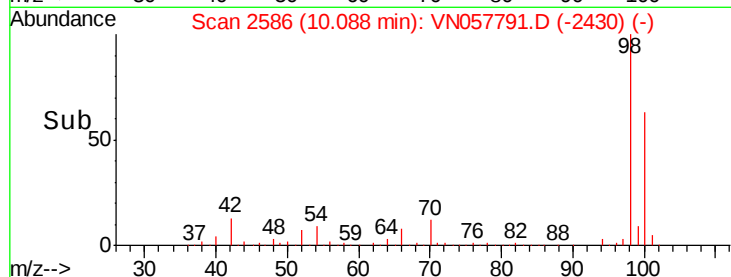
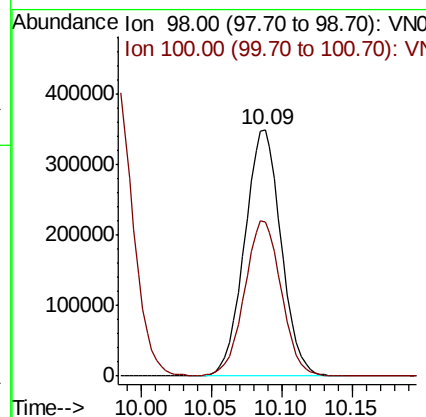
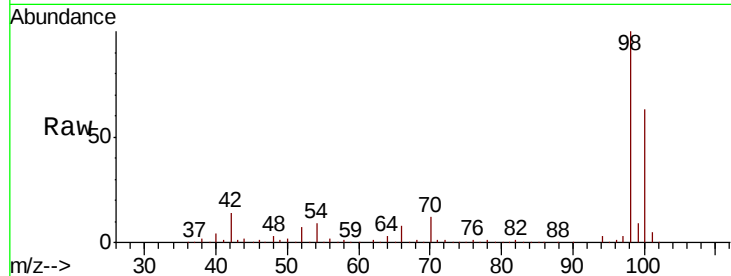
#63
Toluene-d8
Concen: 29.573 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 98 Resp: 634653
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5

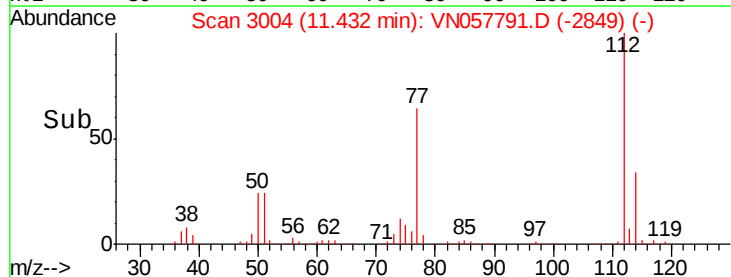
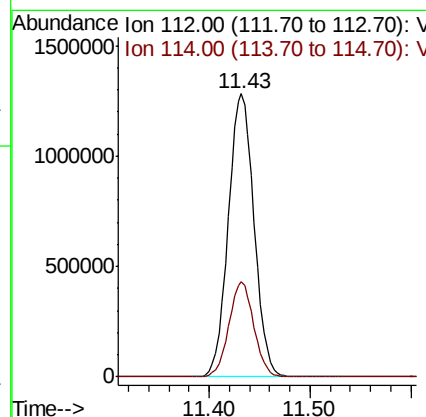
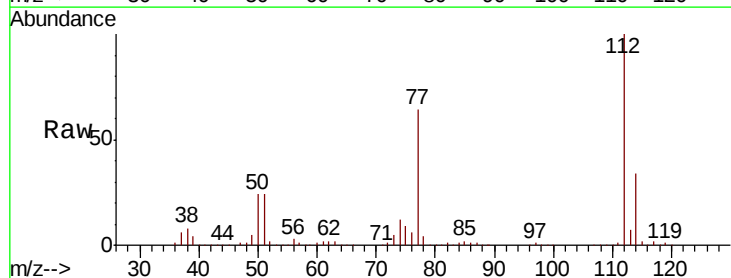
Manual Integrations
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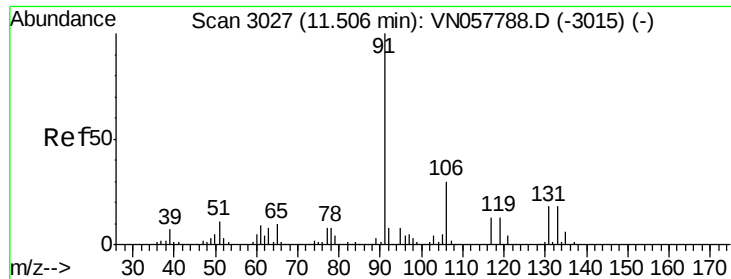
MMDadoda
9/13/2019 11:04:50 AM



#64
Chlorobenzene
Concen: 148.486 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion: 112 Resp: 2280406
Ion Ratio Lower Upper
112 100
114 33.7 25.4 38.0





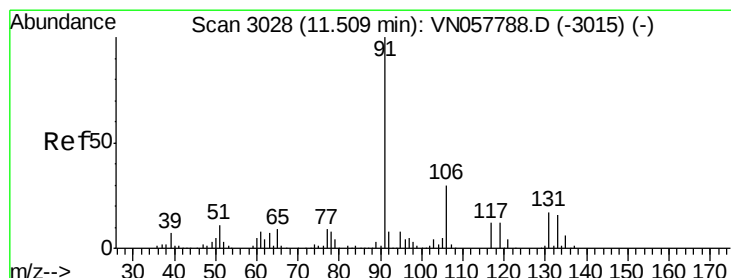
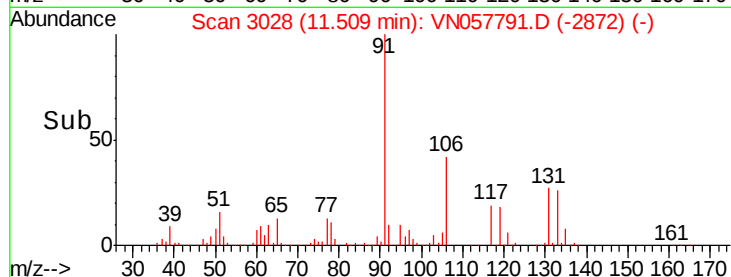
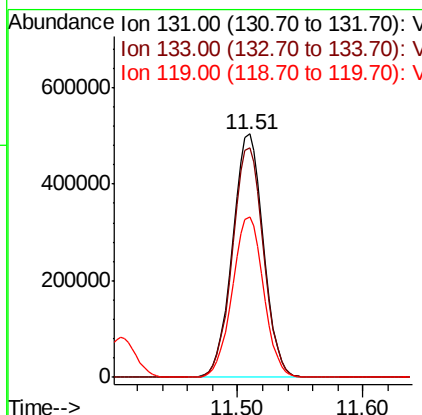
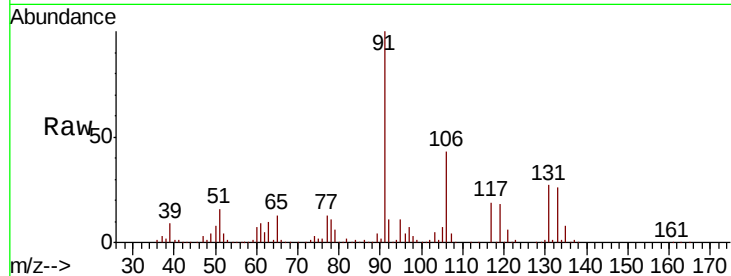
#65
1,1,1,2-Tetrachloroethane
Concen: 161.723 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	862367		
133	95.0	0.0	189.2	
119	66.7	0.0	136.4	

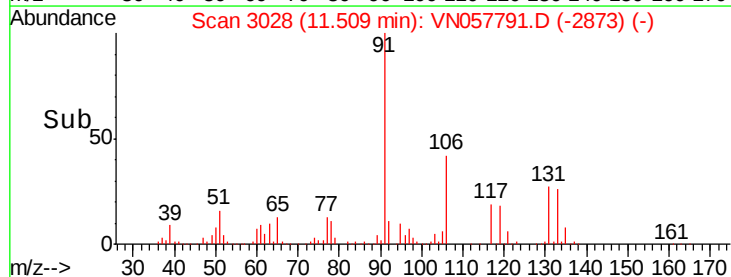
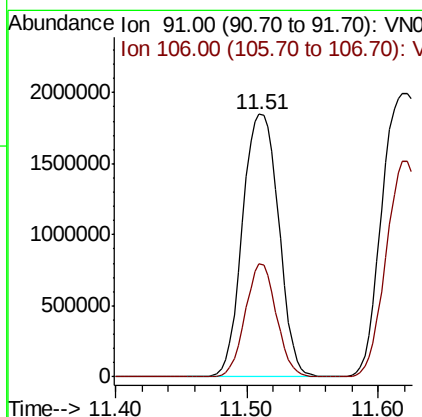
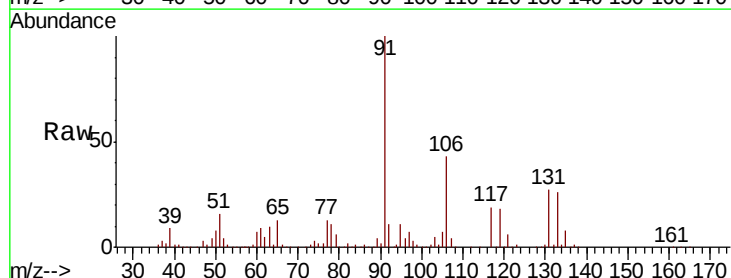
Manual Integrations
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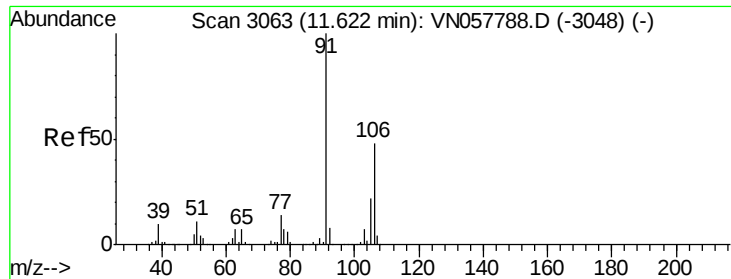
MMDadoda
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#66
Ethyl Benzene
Concen: 131.556 ug/l m
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	43.1	24.0	36.0#





#67

m/p-Xylenes

Concen: 326.145 ug/l m

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion:106 Resp: 3042767

Ion Ratio Lower Upper

106 100

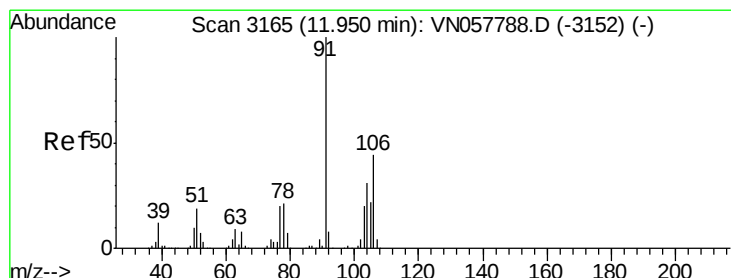
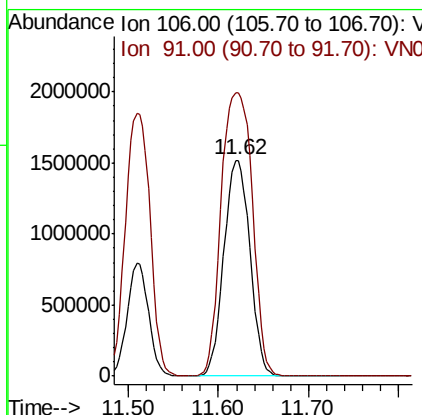
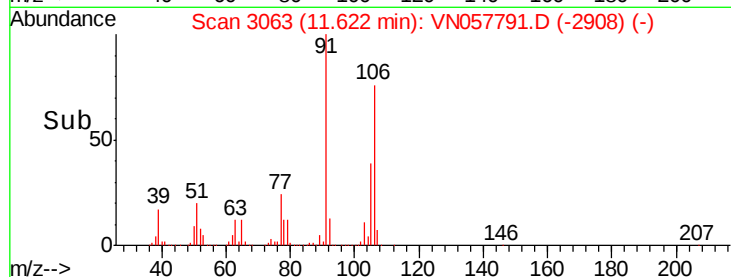
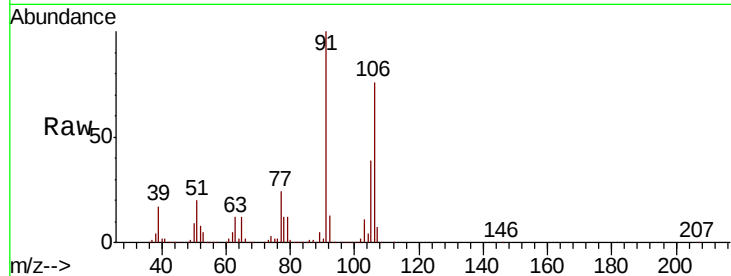
91 101.0 166.1 249.1#

Manual Integrations

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#68

o-Xylene

Concen: 155.189 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN057791.D

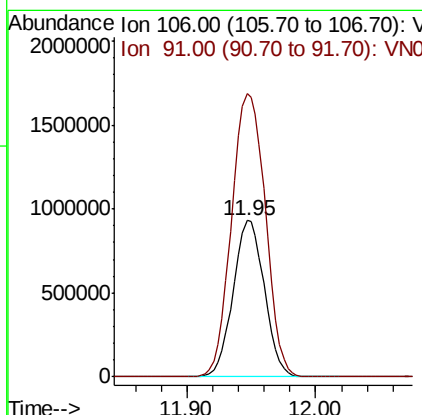
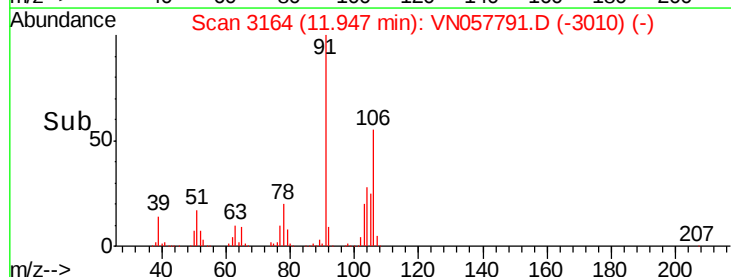
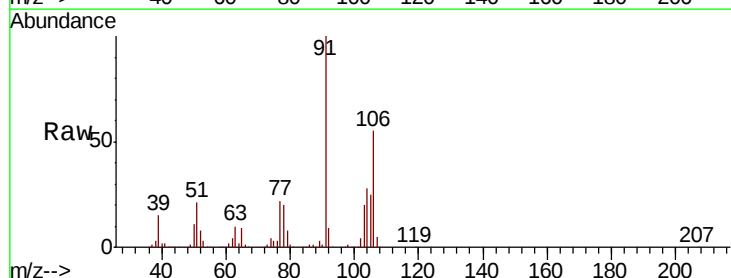
Acq: 9 Sep 2019 10:40

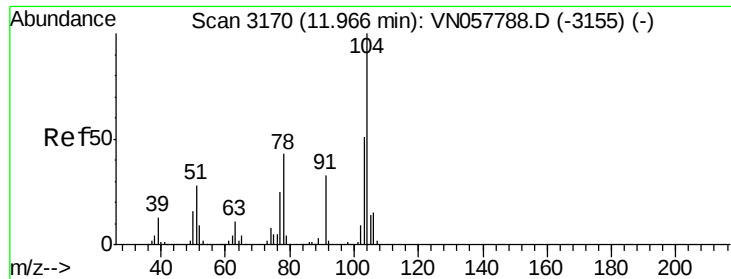
Tgt Ion:106 Resp: 1567884

Ion Ratio Lower Upper

106 100

91 196.0 111.5 334.4





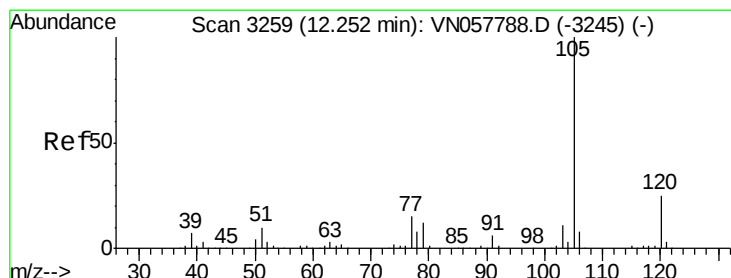
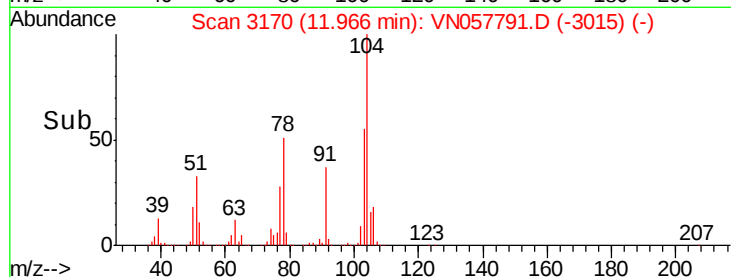
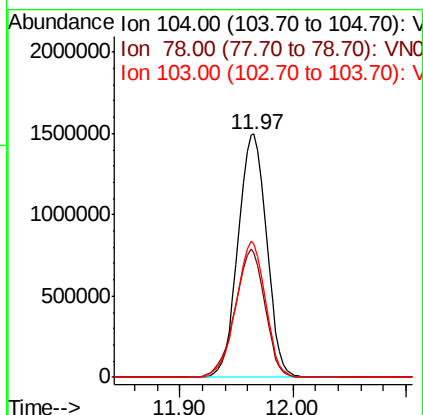
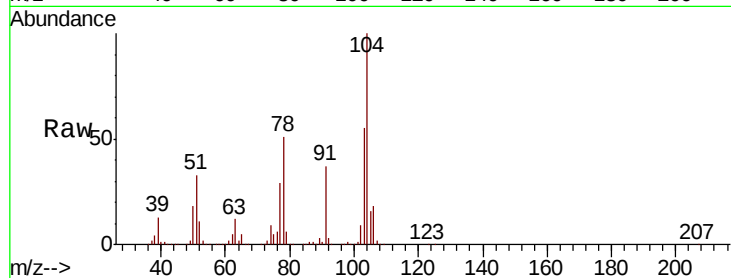
#69
Styrene
Concen: 153.268 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.0	41.5	62.3
103	57.5	44.8	67.2

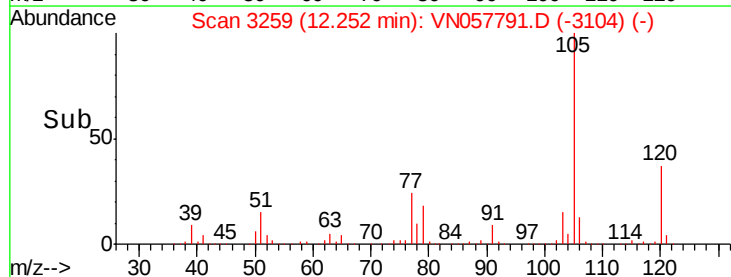
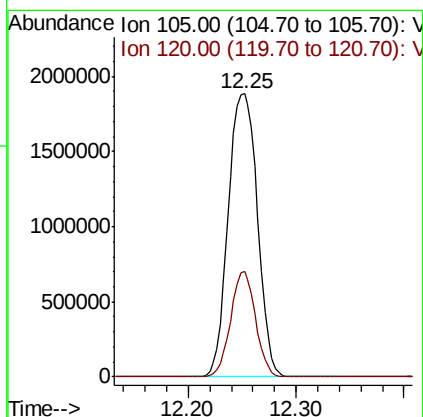
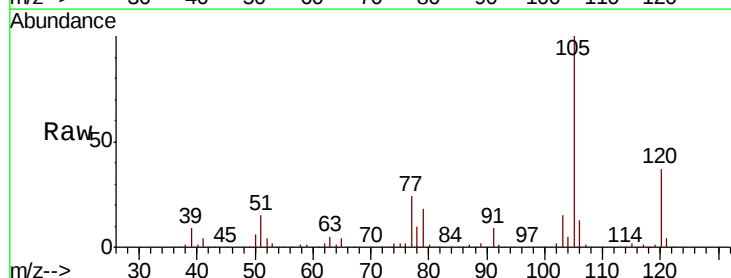
Manual Integrations
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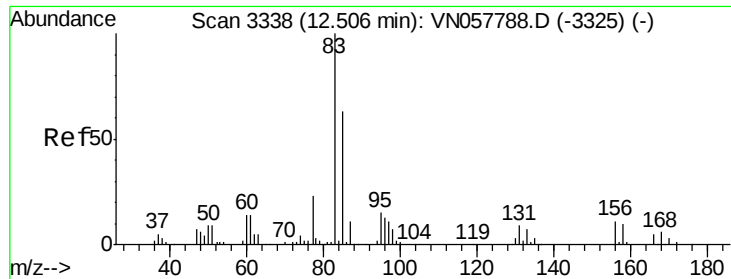
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#70
Isopropylbenzene
Concen: 132.497 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.7	17.6	32.6





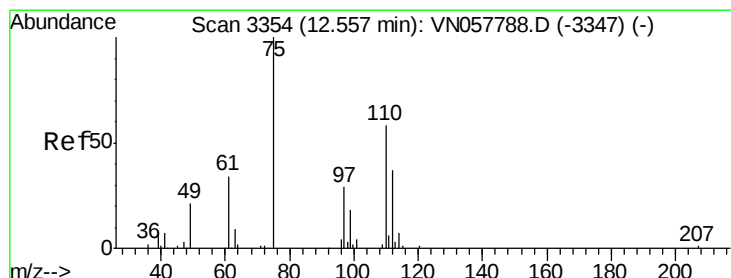
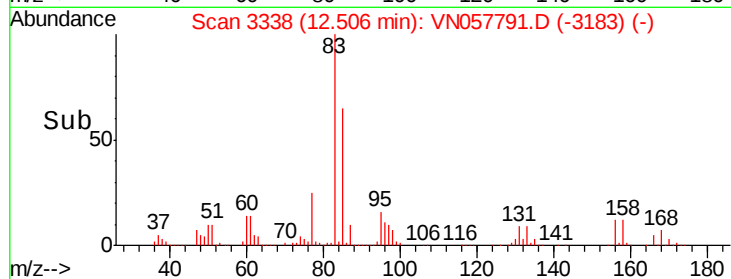
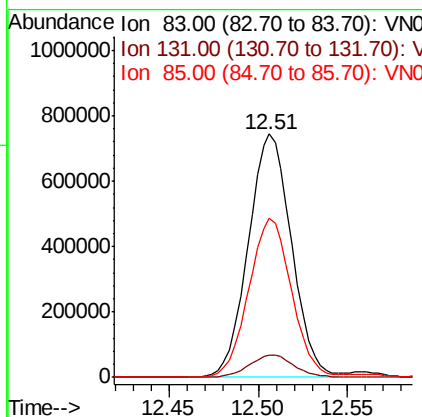
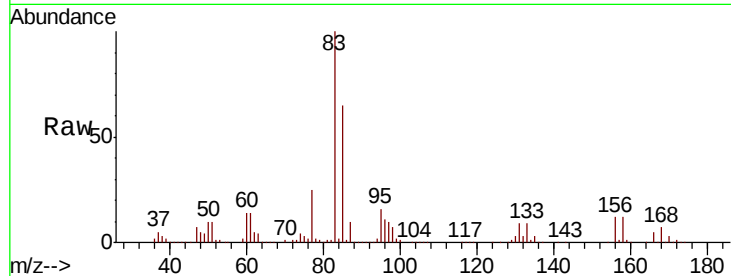
#71
 1,1,2,2-Tetrachloroethane
 Concen: 150.650 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.6	4.9	14.6
85	64.7	32.1	96.3

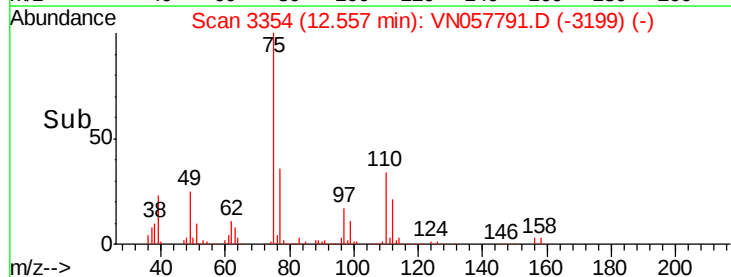
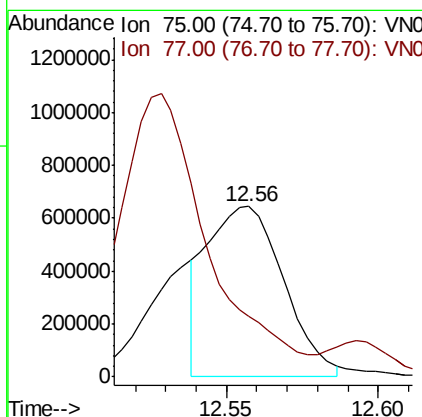
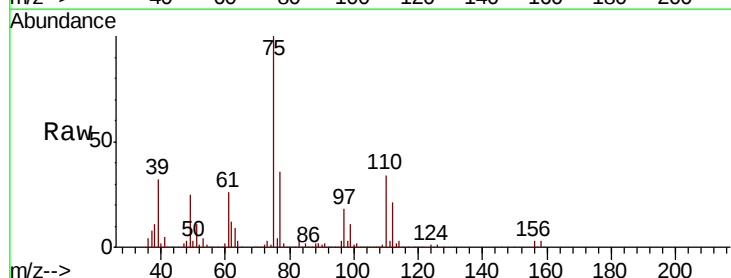
Manual Integrations
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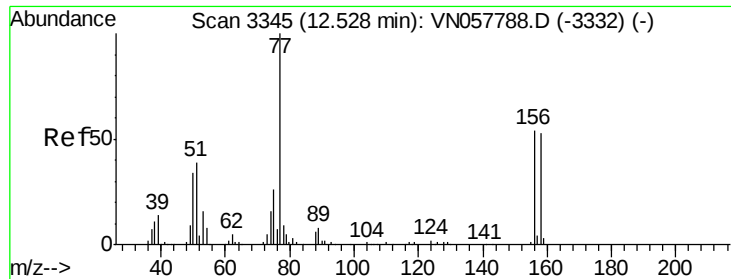
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#72
 1,2,3-Trichloropropane
 Concen: 155.392 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	192.1	0.0	351.6





#73

Bromobenzene

Concen: 155.670 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

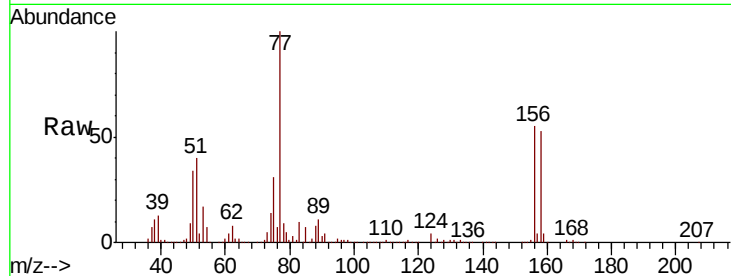
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	219.0	0.0	446.6
158	97.0	0.0	197.2

Manual Integrations
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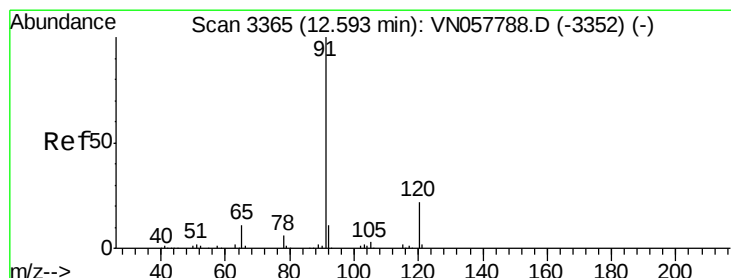
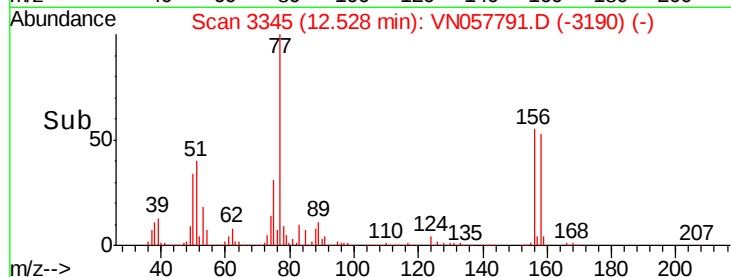
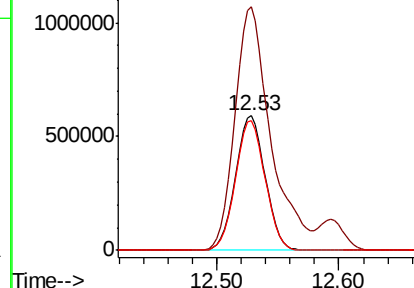
MMDadoda
9/13/2019 11:04:50 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 126.314 ug/l

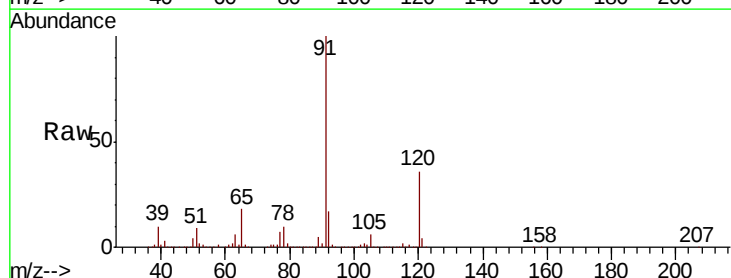
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN057791.D

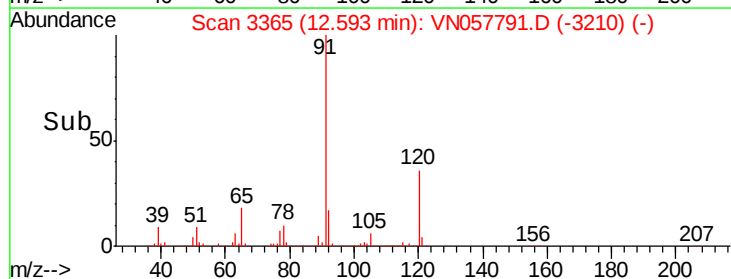
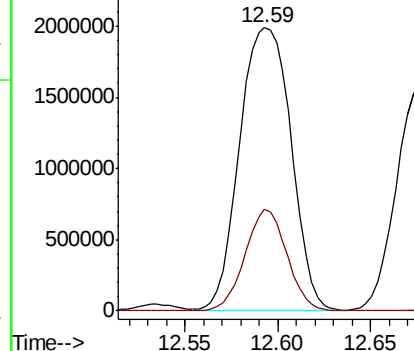
Acq: 9 Sep 2019 10:40

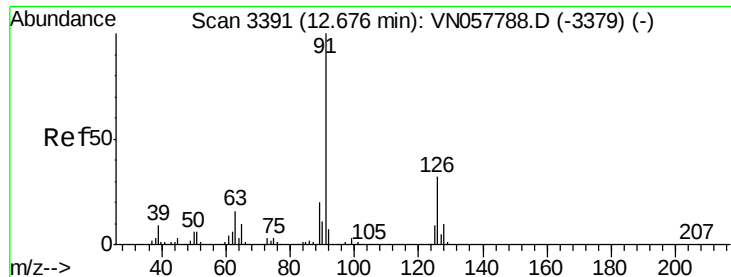
Tgt Ion	Ratio	Lower	Upper
91	100		
120	29.0	0.0	43.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 146.802 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2790332

Ion Ratio Lower Upper

91 100

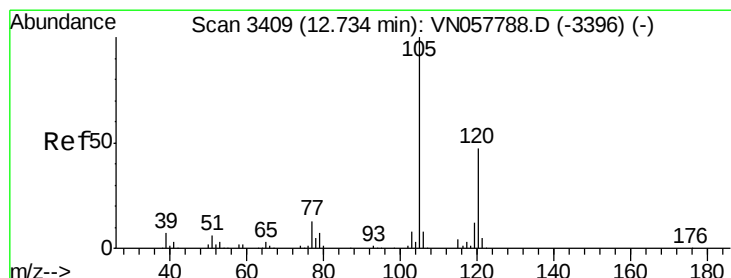
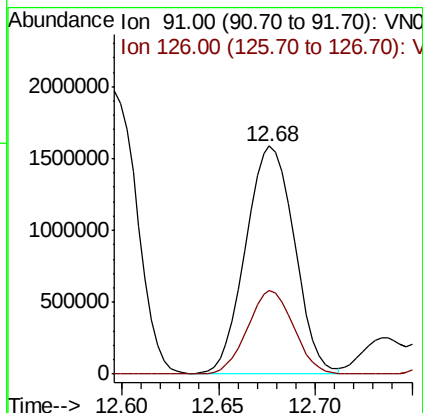
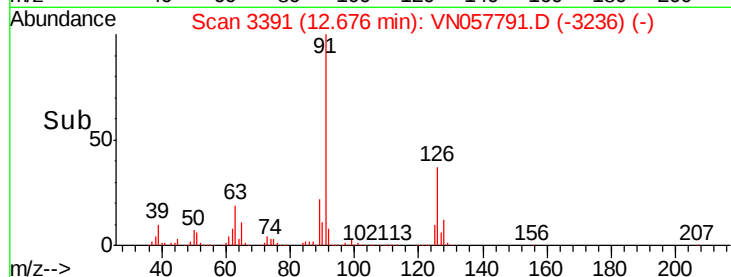
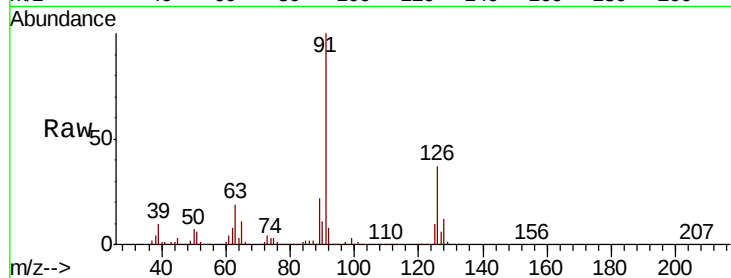
126 34.7 0.0 64.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 139.488 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057791.D

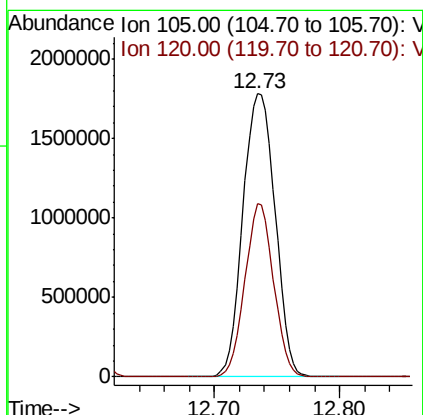
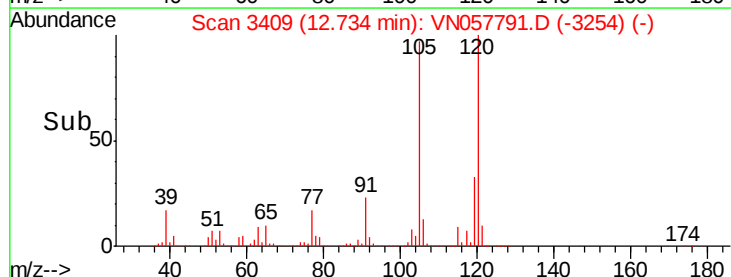
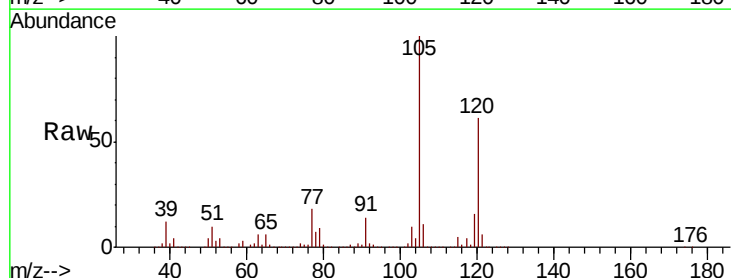
Acq: 9 Sep 2019 10:40

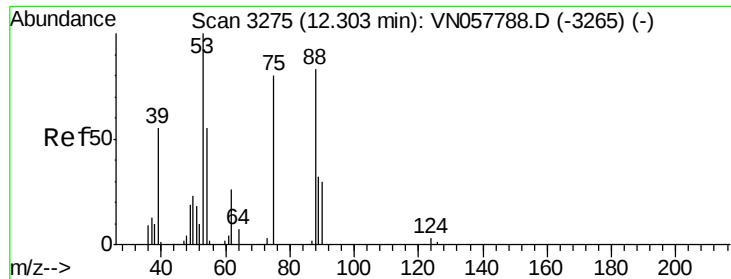
Tgt Ion: 105 Resp: 3172540

Ion Ratio Lower Upper

105 100

120 54.6 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 187.699 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

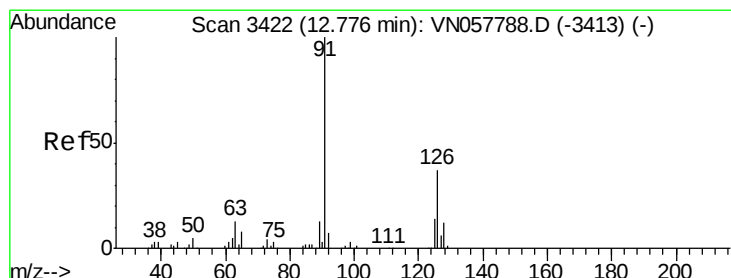
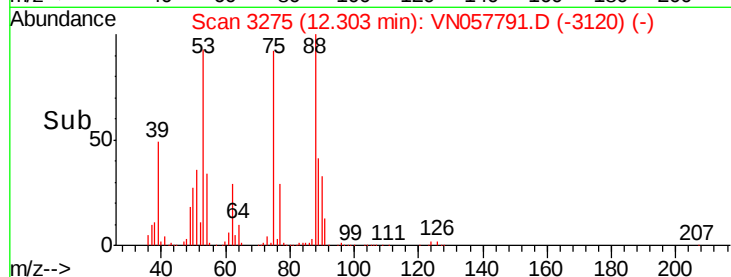
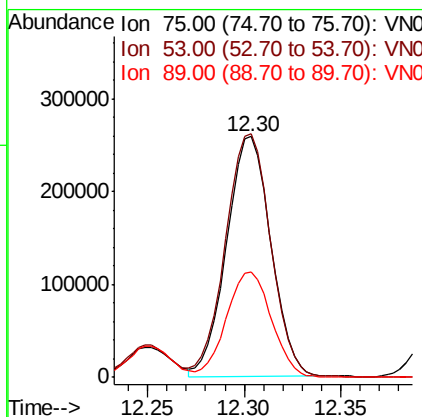
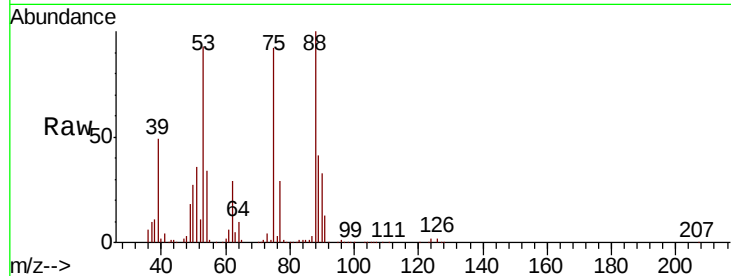
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	412570
Ion	Ratio	Lower	Upper
75	100		
53	101.1	62.7	188.2
89	44.1	22.8	68.3

Manual Integrations
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#78

4-Chlorotoluene

Concen: 149.473 ug/l

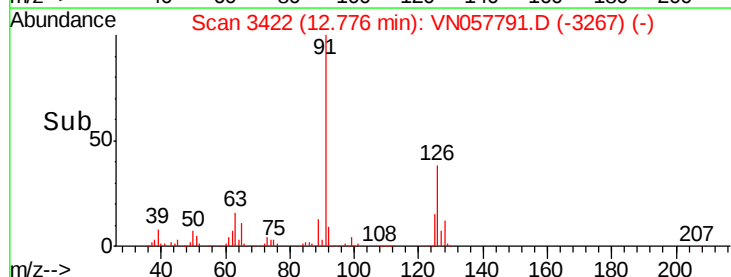
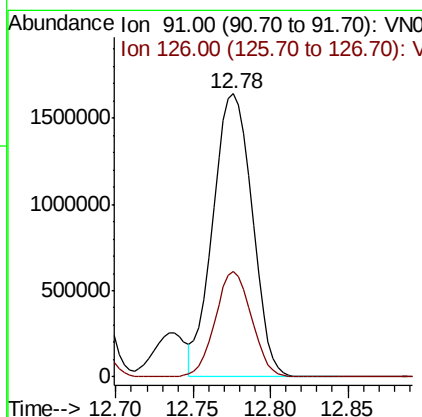
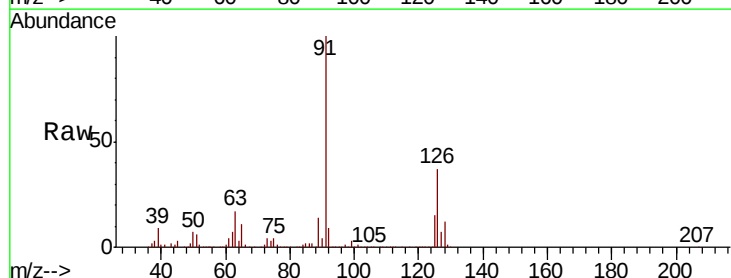
RT: 12.78 min Scan# 3422

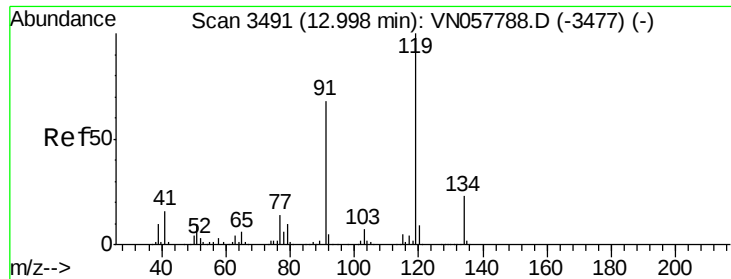
Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Tgt Ion:	91	Resp:	2898020
Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	65.2





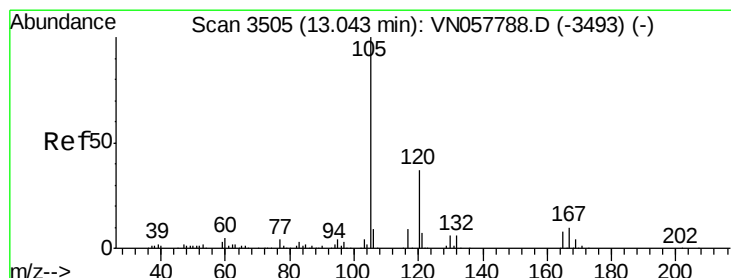
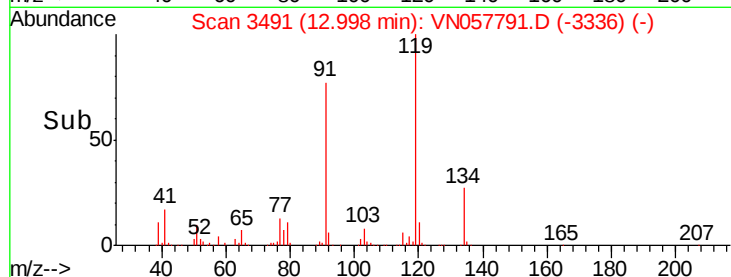
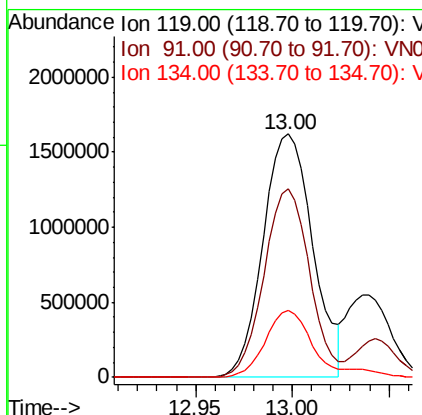
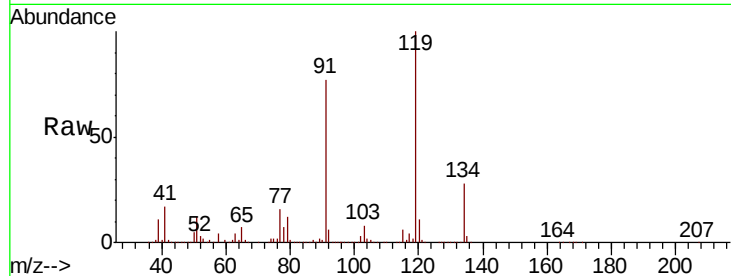
#79
tert-butylbenzene
Concen: 146.726 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:119 Resp: 2911358
Ion Ratio Lower Upper
119 100
91 71.3 0.0 133.8
134 25.2 0.0 46.4

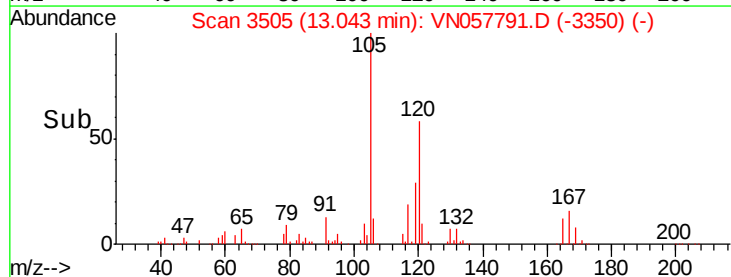
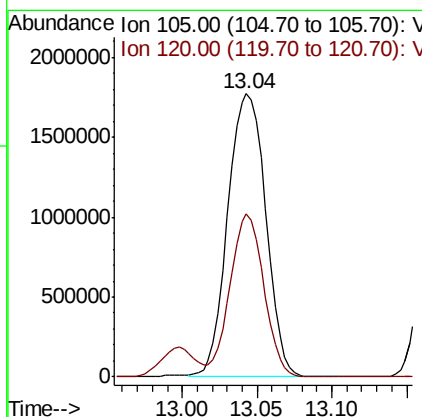
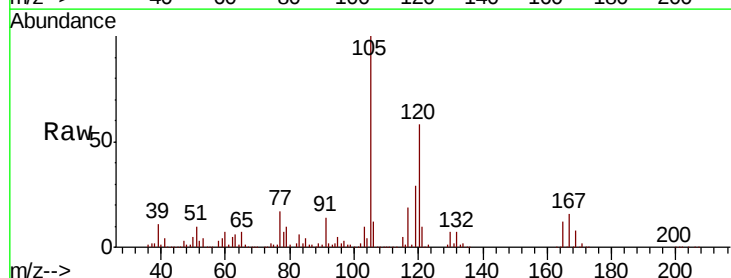
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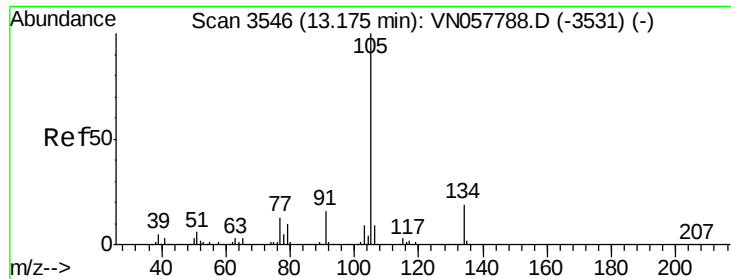
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#80
1,2,4-Trimethylbenzene
Concen: 138.291 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:105 Resp: 3133959
Ion Ratio Lower Upper
105 100
120 51.6 0.0 87.8





#81

sec-Butylbenzene

Concen: 133.153 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 3505444

Ion Ratio Lower Upper

105 100

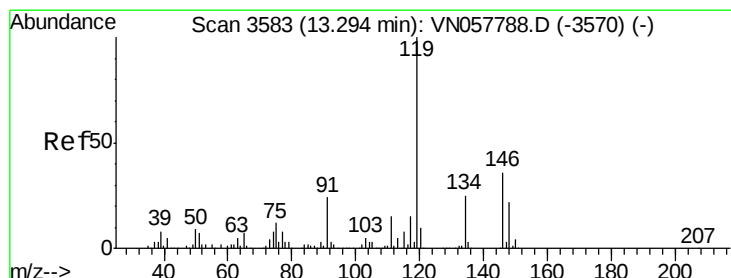
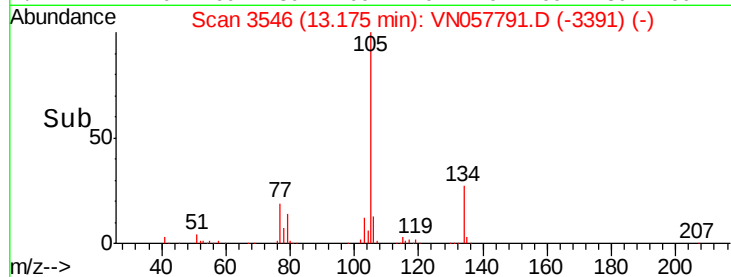
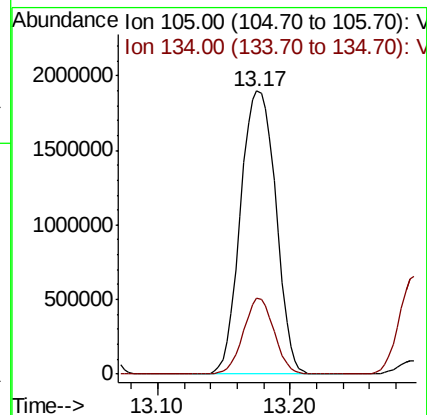
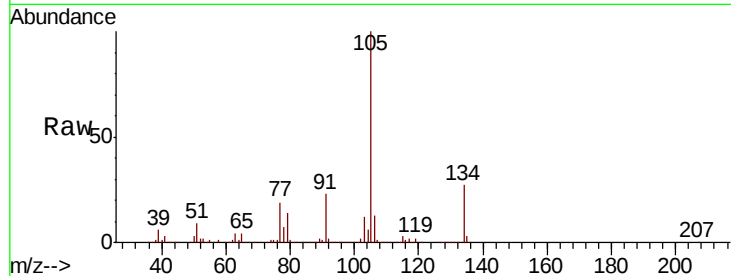
134 23.2 0.0 37.6

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 136.322 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

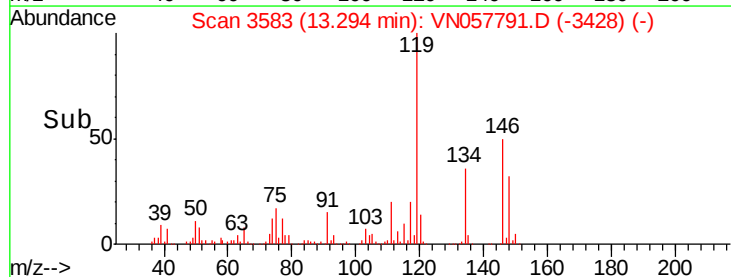
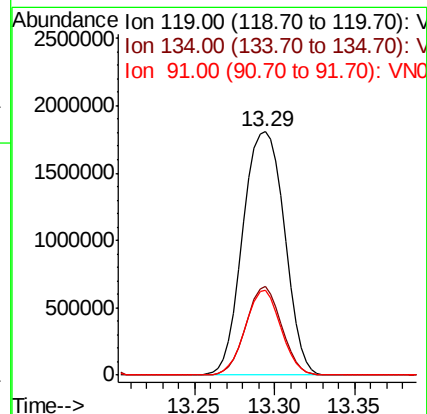
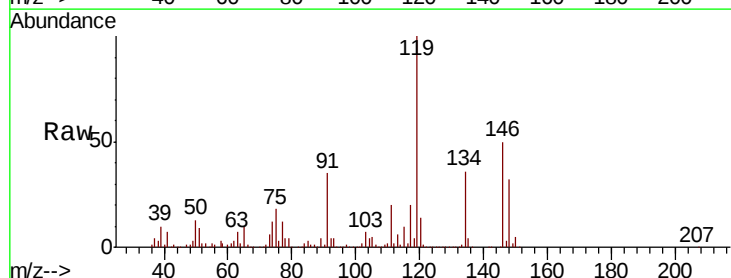
Tgt Ion:119 Resp: 3214028

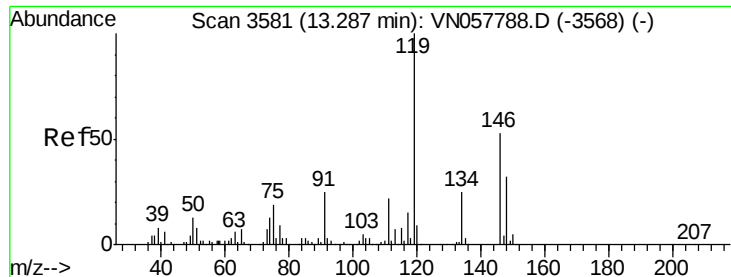
Ion Ratio Lower Upper

119 100

134 31.1 0.0 50.4

91 29.8 0.0 48.8





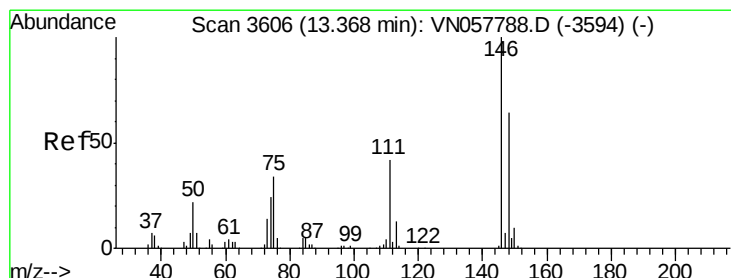
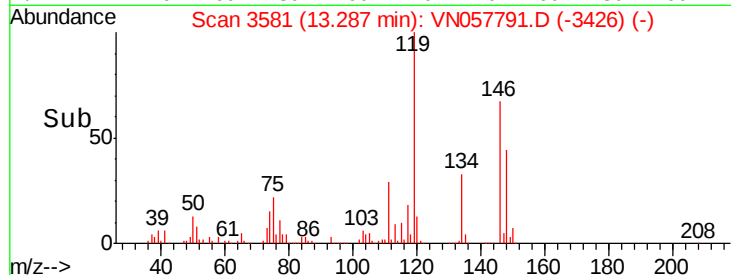
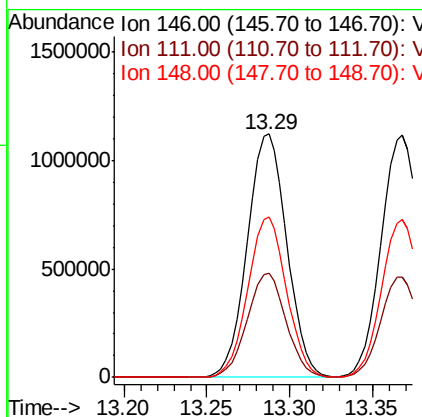
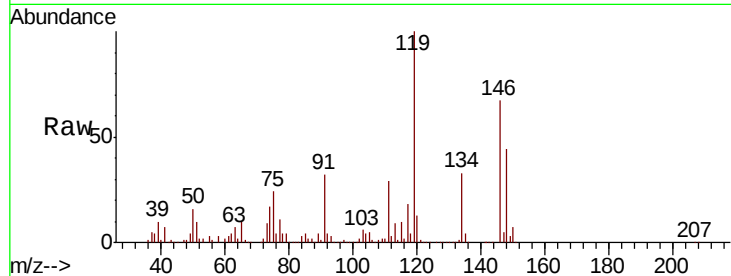
#83
1,3-Dichlorobenzene
Concen: 156.239 ug/l
RT: 13.29 min Scan# 3581
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion:146 Resp: 1857044
Ion Ratio Lower Upper
146 100
111 42.2 20.7 62.1
148 64.5 30.9 92.5

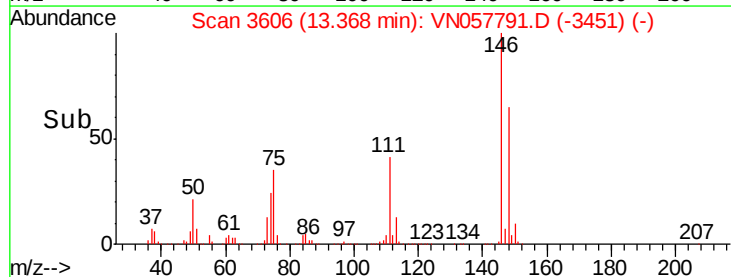
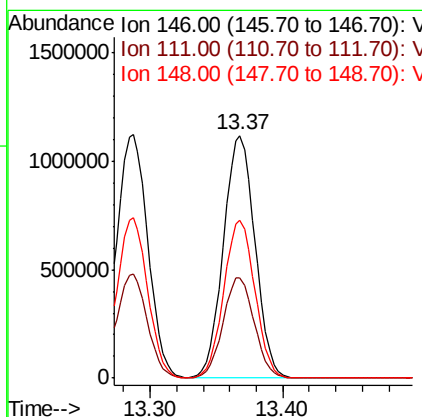
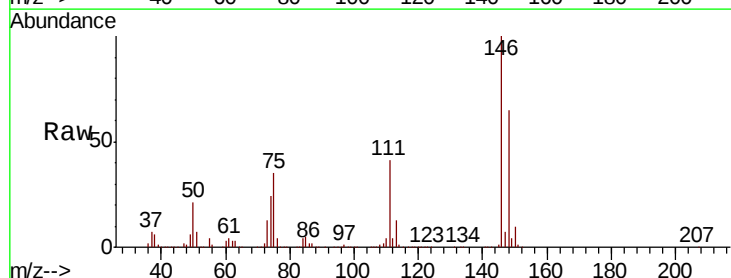
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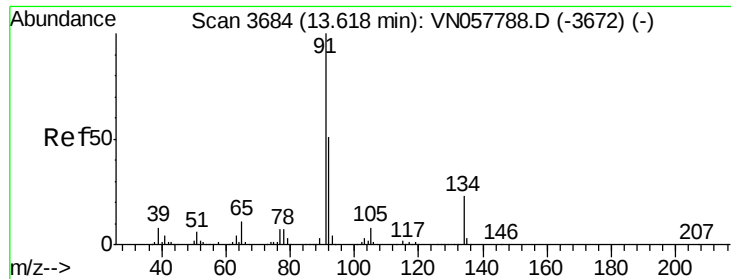
MMDadoda
9/13/2019 11:04:50 AM



#84
1,4-Dichlorobenzene
Concen: 157.652 ug/l
RT: 13.37 min Scan# 3606
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion:146 Resp: 1844841
Ion Ratio Lower Upper
146 100
111 40.9 21.1 63.4
148 64.3 31.7 95.1





#85

n-Butylbenzene

Concen: 142.124 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN057791.D

Acq: 9 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 3122852

Ion Ratio Lower Upper

91 100

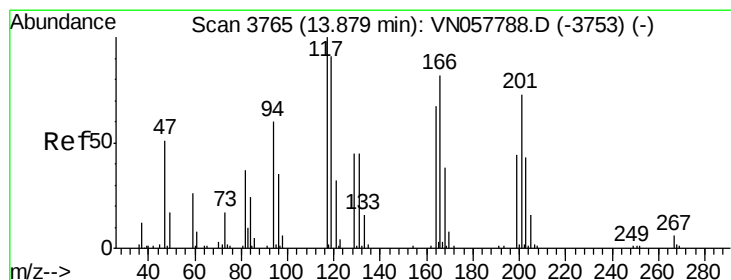
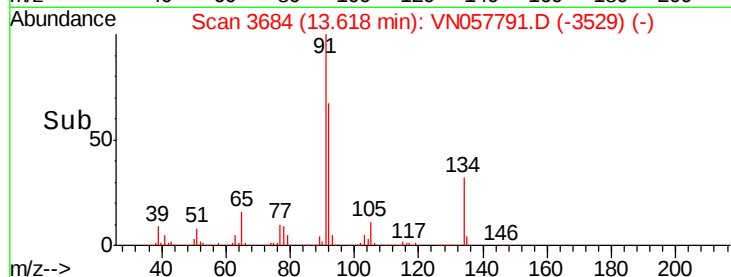
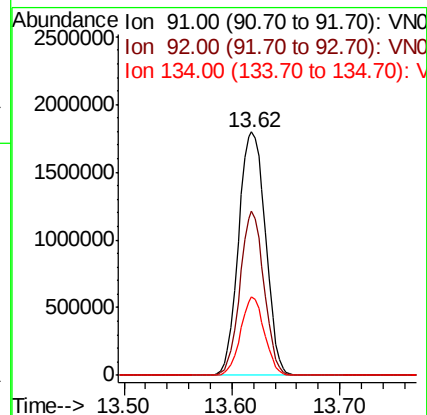
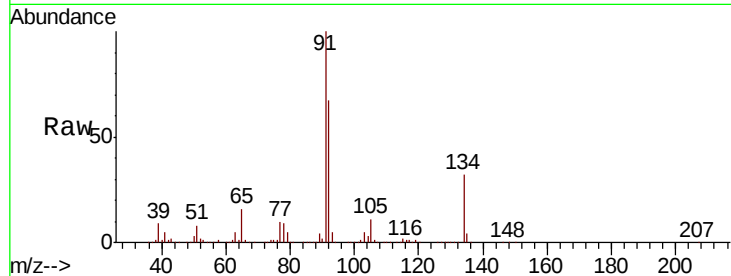
92 60.3 0.0 100.0

134 28.6 0.0 46.6

Manual Integrations
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#86

Hexachloroethane

Concen: 172.459 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN057791.D

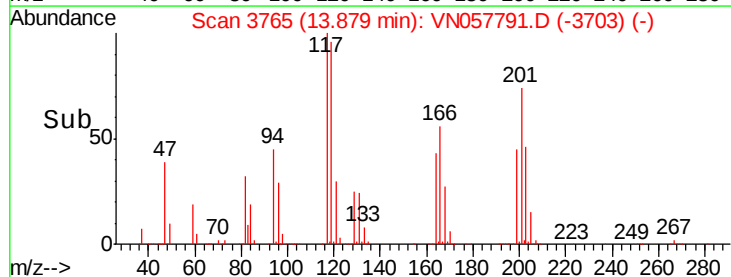
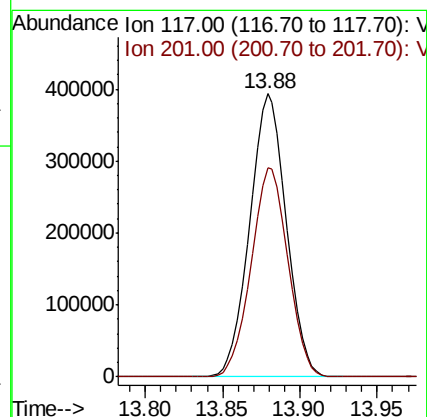
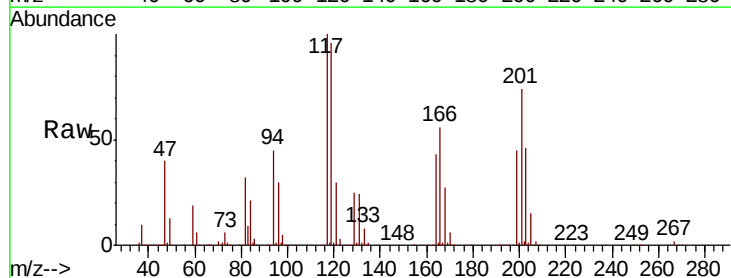
Acq: 9 Sep 2019 10:40

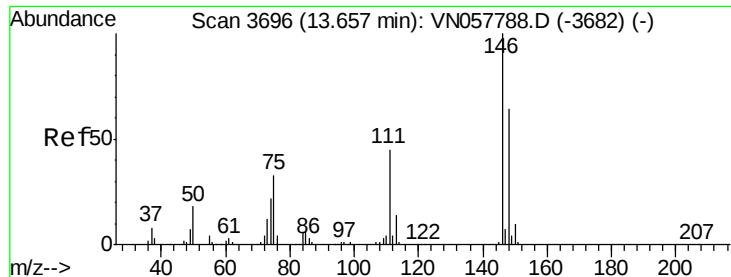
Tgt Ion: 117 Resp: 647644

Ion Ratio Lower Upper

117 100

201 74.4 36.7 110.1





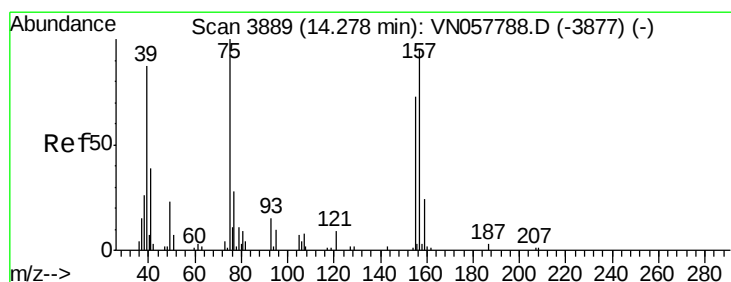
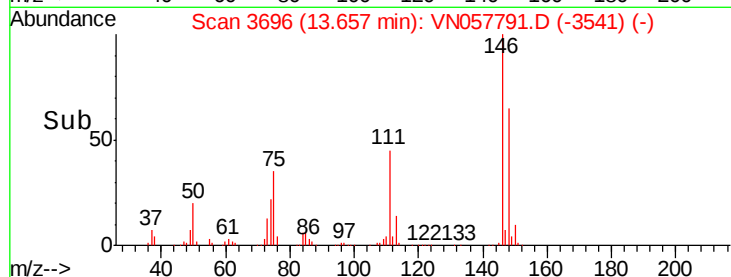
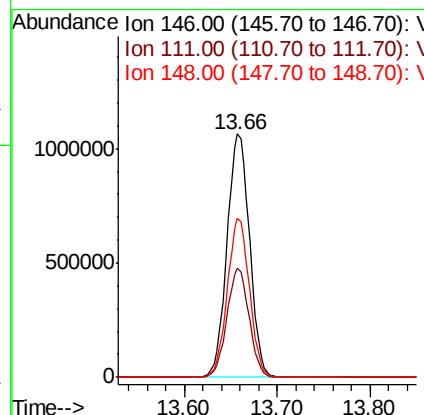
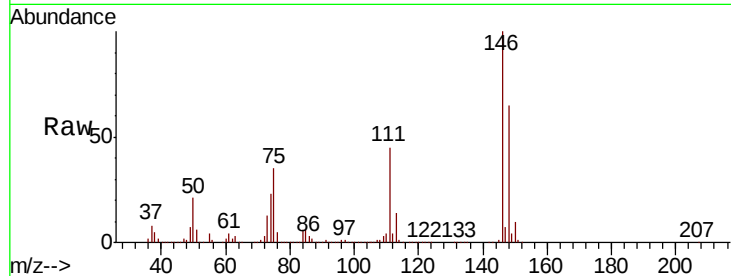
#87
 1,2-Dichlorobenzene
 Concen: 155.058 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 146 Resp: 1789010
 Ion Ratio Lower Upper
 146 100
 111 43.9 22.2 66.6
 148 64.1 32.1 96.3

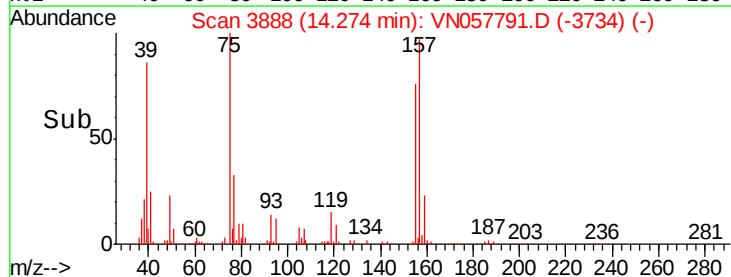
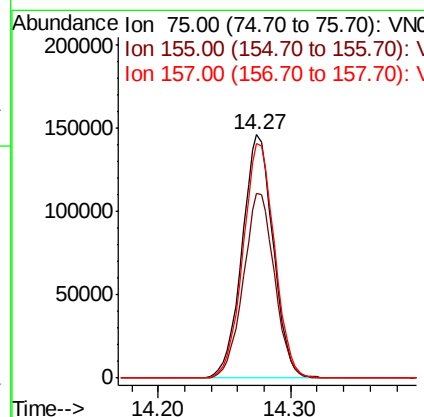
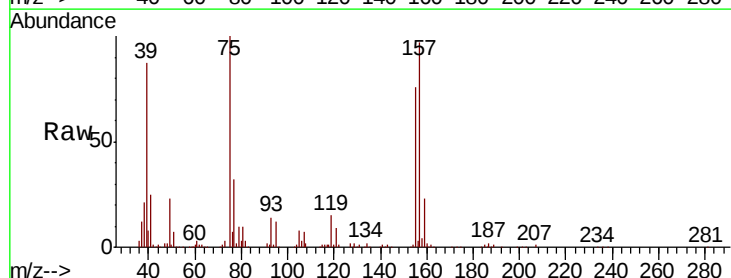
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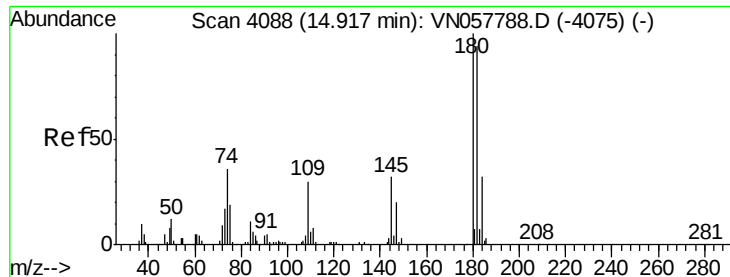
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 161.434 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion: 75 Resp: 237270
 Ion Ratio Lower Upper
 75 100
 155 76.2 59.4 89.2
 157 97.8 74.6 112.0





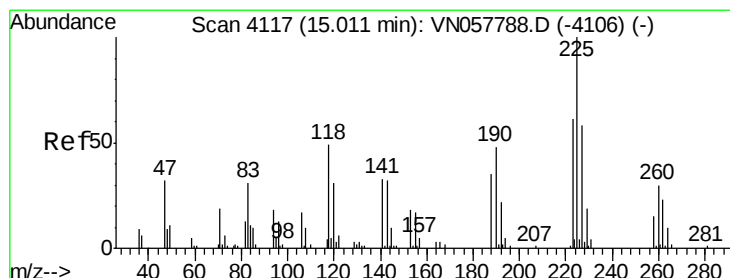
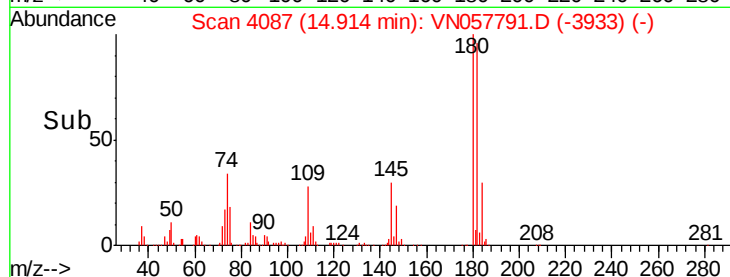
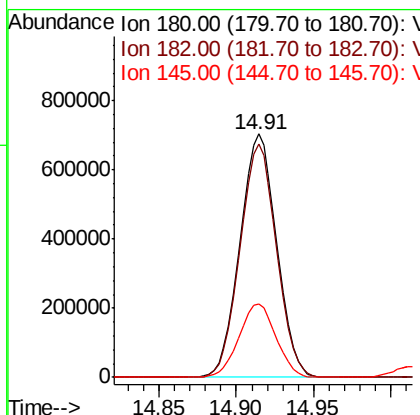
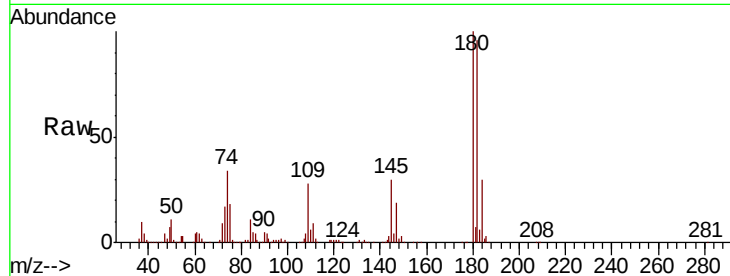
#89
 1,2,4-Trichlorobenzene
 Concen: 164.423 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.4
145	30.5	26.1	39.1

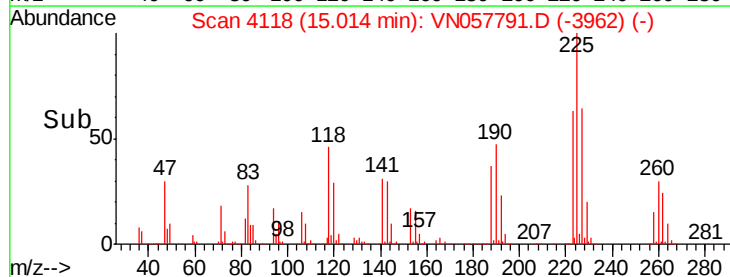
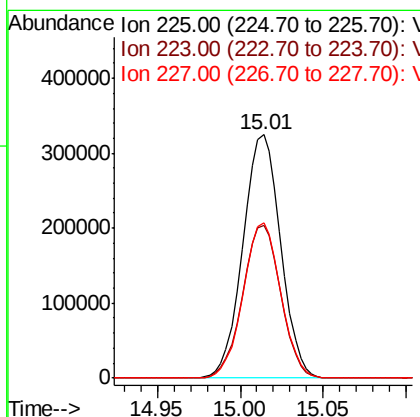
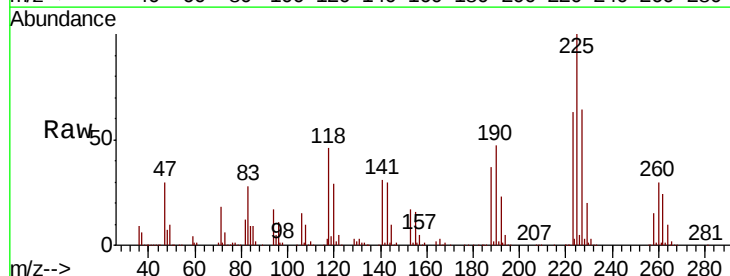
Manual Integrations
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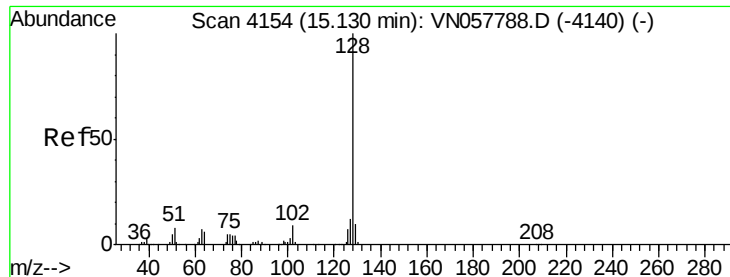
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#90
 Hexachlorobutadiene
 Concen: 158.745 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN057791.D
 Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	0.0	125.0
227	63.2	0.0	123.8





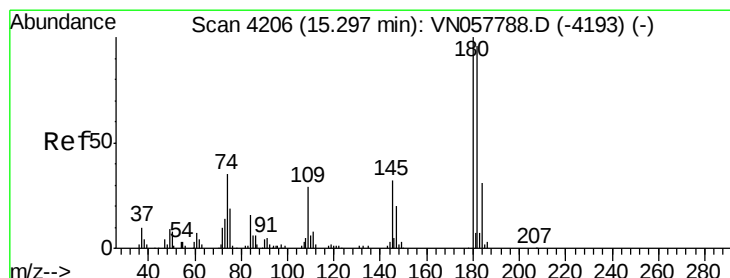
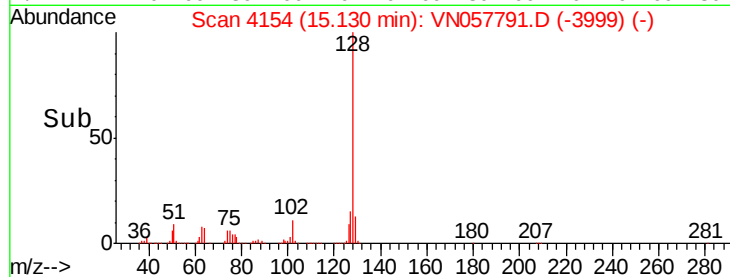
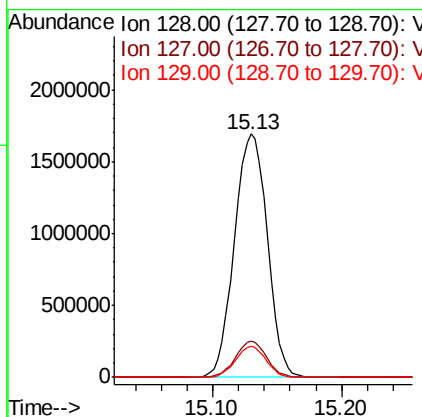
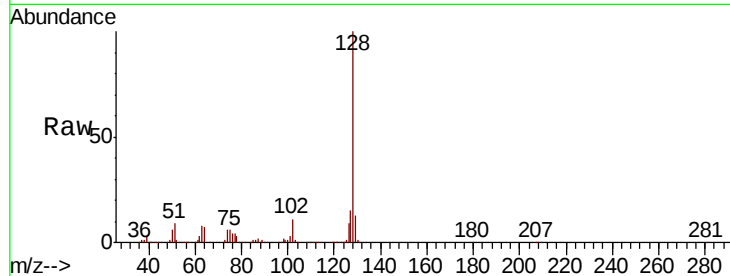
#91
Naphthalene
Concen: 154.752 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.9	9.9	14.9
129	11.8	8.1	12.1

Manual Integrations
APPROVED

MMDadoda
9/13/2019 11:04:50 AM



#92
1,2,3-Trichlorobenzene
Concen: 164.488 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN057791.D
Acq: 9 Sep 2019 10:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	189.8
145	32.0	0.0	65.0

