

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059311.D
 Acq On : 19 Nov 2019 17:36
 Operator : JC/SP
 Sample : VN1119WBSD04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:36:57 PM

Quant Time: Nov 20 02:59:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	386345	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	610728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	542761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	249149	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	225479	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
35) Dibromofluoromethane	7.57	113	183173	50.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.46%	
50) Toluene-d8	10.08	98	676597	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
62) 4-Bromofluorobenzene	12.40	95	252097	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	109606	28.158	ug/l	99
3) Chloromethane	2.04	50	126155	23.842	ug/l	99
4) Vinyl Chloride	2.17	62	132823	25.891	ug/l	100
5) Bromomethane	2.55	94	71695	24.286	ug/l	99
6) Chloroethane	2.69	64	67699	22.308	ug/l	99
7) Trichlorofluoromethane	3.00	101	134463	21.913	ug/l	100
8) Diethyl Ether	3.38	74	55956	22.443	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	83472	22.562	ug/l	99
10) Methyl Iodide	3.93	142	98680	21.548	ug/l	100
11) Tert butyl alcohol	4.74	59	84822	93.717	ug/l	98
12) 1,1-Dichloroethene	3.71	96	81617	22.646	ug/l	97
13) Acrolein	3.58	56	32189	68.980	ug/l	98
14) Allyl chloride	4.29	41	151689	20.490	ug/l	98
15) Acrylonitrile	4.95	53	229143	101.730	ug/l	97
16) Acetone	3.79	43	223301	90.418	ug/l	97
17) Carbon Disulfide	4.03	76	259582	23.203	ug/l	99
18) Methyl Acetate	4.29	43	136327	23.256	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	273987	22.081	ug/l	100
20) Methylene Chloride	4.52	84	96060	22.326	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	89456	23.124	ug/l	92
22) Diisopropyl ether	5.92	45	298476	21.345	ug/l	93
23) Vinyl Acetate	5.86	43	1166257	107.615	ug/l	100
24) 1,1-Dichloroethane	5.82	63	171736	21.989	ug/l	99
25) 2-Butanone	6.80	43	313310	96.259	ug/l	98
26) 2,2-Dichloropropane	6.80	77	143143	20.960	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	98470	21.940	ug/l	98
28) Bromochloromethane	7.17	49	48402	20.599	ug/l	97
29) Tetrahydrofuran	7.18	42	209247	101.176	ug/l	98
30) Chloroform	7.35	83	159949	21.349	ug/l	97
31) Cyclohexane	7.63	56	161232	21.807	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	137584	21.843	ug/l	100
36) 1,1-Dichloropropene	7.77	75	123377	21.613	ug/l	99
37) Ethyl Acetate	6.90	43	126297	19.888	ug/l	98
38) Carbon Tetrachloride	7.75	117	120909	21.280	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	152340	22.994	ug/l	99
40) Benzene	8.02	78	372186	21.651	ug/l	100
41) Methacrylonitrile	7.15	41	55864m	20.230	ug/l	
42) 1,2-Dichloroethane	8.10	62	124920	21.188	ug/l	99
43) Isopropyl Acetate	8.14	43	199837	19.738	ug/l	98
44) Trichloroethene	8.82	130	94733	22.418	ug/l	100
45) 1,2-Dichloropropane	9.10	63	100571	21.539	ug/l	98
46) Dibromomethane	9.19	93	61338	21.081	ug/l	99
47) Bromodichloromethane	9.39	83	121382	20.892	ug/l	99
48) Methyl methacrylate	9.18	41	88452	19.532	ug/l	96
49) 1,4-Dioxane	9.18	88	29337	364.525	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	612132	106.855	ug/l	100
52) Toluene	10.15	92	228323	22.160	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	141426	21.069	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	155473	21.532	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	88707	21.273	ug/l	99
56) Ethyl methacrylate	10.42	69	128919	19.715	ug/l	99
57) 1,3-Dichloropropane	10.70	76	153017	21.321	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	219007	94.373	ug/l	100
59) 2-Hexanone	10.74	43	437961	99.605	ug/l	99
60) Dibromochloromethane	10.90	129	92940	21.081	ug/l	98
61) 1,2-Dibromoethane	11.00	107	89935	21.305	ug/l	99
64) Tetrachloroethene	10.63	164	84844	22.989	ug/l	96
65) Chlorobenzene	11.43	112	235692	22.276	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	86647	21.831	ug/l	100
67) Ethyl Benzene	11.51	91	425832	22.684	ug/l	99
68) m/p-Xylenes	11.62	106	313538	44.588	ug/l	99
69) o-Xylene	11.95	106	151492	22.293	ug/l	99
70) Styrene	11.96	104	234787	21.968	ug/l	99
71) Bromoform	12.13	173	64295	20.826	ug/l #	99
73) Isopropylbenzene	12.25	105	408036	22.515	ug/l	100
74) N-amyl acetate	12.07	43	151963	19.788	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	128350	20.796	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	117613m	20.735	ug/l	
77) Bromobenzene	12.53	156	97893	21.499	ug/l	97
78) n-propylbenzene	12.59	91	467794	22.543	ug/l	99
79) 2-Chlorotoluene	12.67	91	277956	21.592	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	341743	22.254	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	43617	20.310	ug/l	96
82) 4-Chlorotoluene	12.77	91	279117	21.618	ug/l	98
83) tert-Butylbenzene	12.99	119	290483	21.904	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	337247	22.699	ug/l	99
85) sec-Butylbenzene	13.17	105	388004	22.496	ug/l	99
86) p-Isopropyltoluene	13.29	119	348878	22.909	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	169146	21.693	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	165644	21.233	ug/l	98
89) n-Butylbenzene	13.62	91	301141	22.593	ug/l	100
90) Hexachloroethane	13.88	117	63221	20.674	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	164874	21.496	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25092	20.394	ug/l	93

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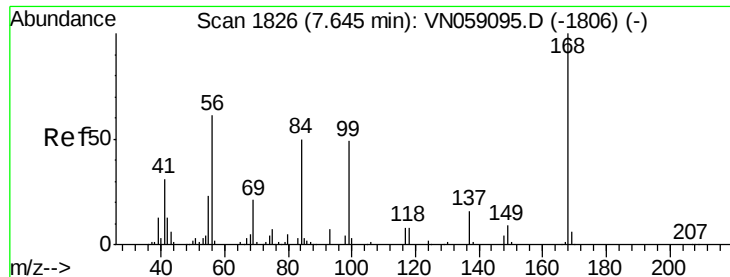
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91675	21.546	ug/l	97
94) Hexachlorobutadiene	15.01	225	58937	22.285	ug/l	99
95) Naphthalene	15.13	128	237265	20.303	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	89615	20.848	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

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Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion:168 Resp: 386345

Ion Ratio Lower Upper

168 100

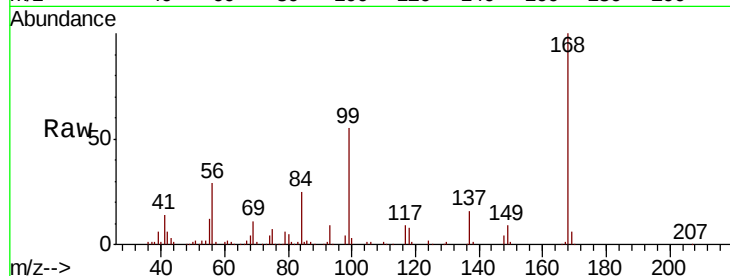
99 54.6 45.7 68.5

Manual Integrations

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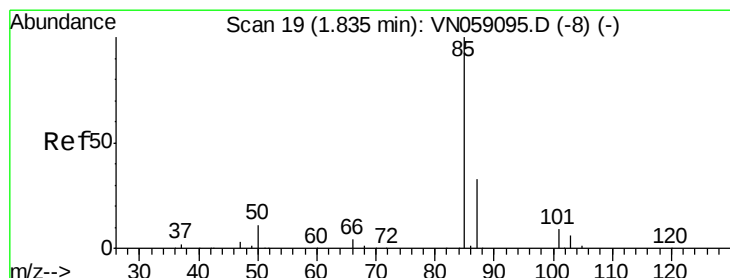
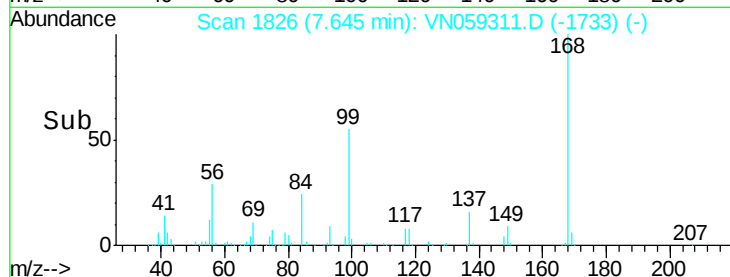
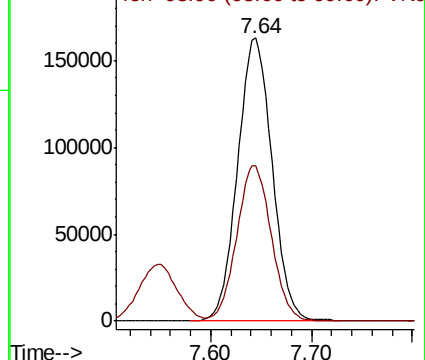
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 28.158 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059311.D

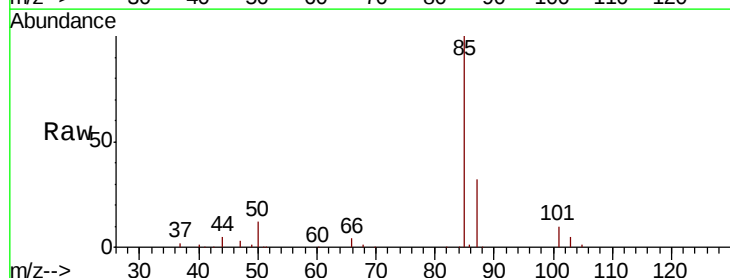
Acq: 19 Nov 2019 17:36

Tgt Ion: 85 Resp: 109606

Ion Ratio Lower Upper

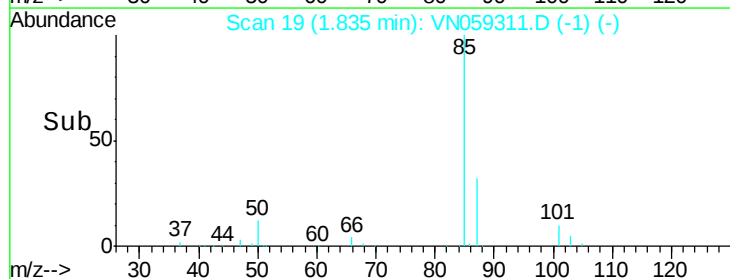
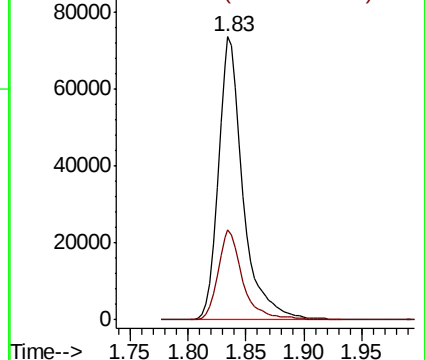
85 100

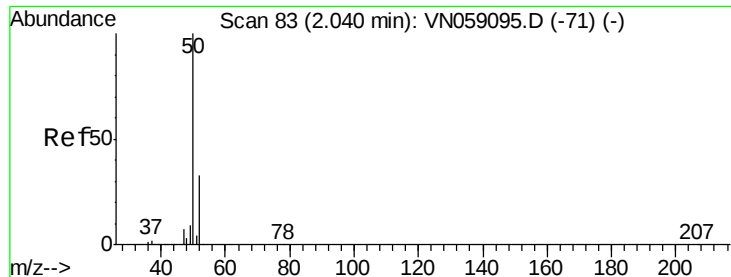
87 31.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 23.842 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 50 Resp: 126155

Ion Ratio Lower Upper

50 100

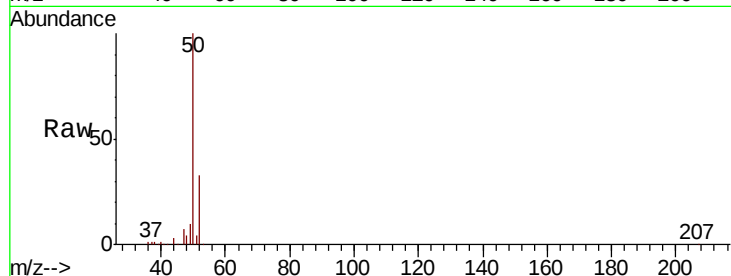
52 32.9 26.0 39.0

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.04

100000

80000

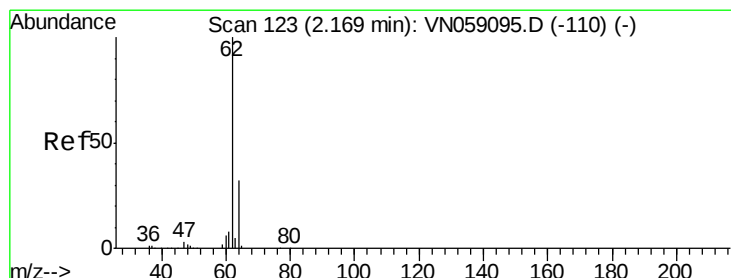
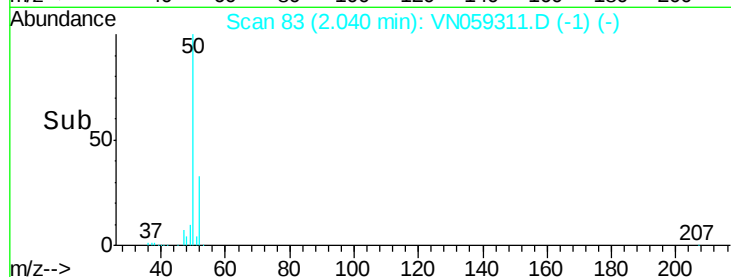
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 25.891 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059311.D

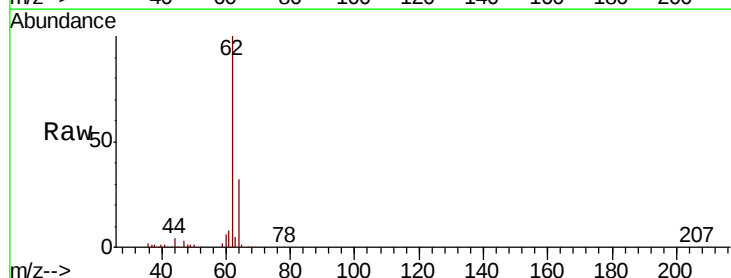
Acq: 19 Nov 2019 17:36

Tgt Ion: 62 Resp: 132823

Ion Ratio Lower Upper

62 100

64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.17

100000

80000

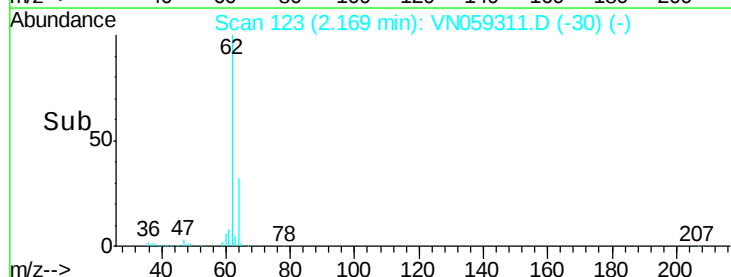
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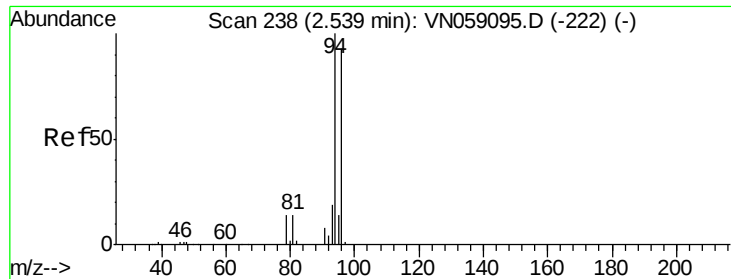
40000

20000

0

Time-->





#5

Bromomethane

Concen: 24.286 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 94 Resp: 71695

Ion Ratio Lower Upper

94 100

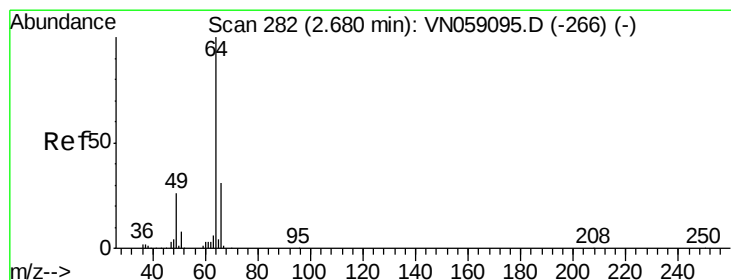
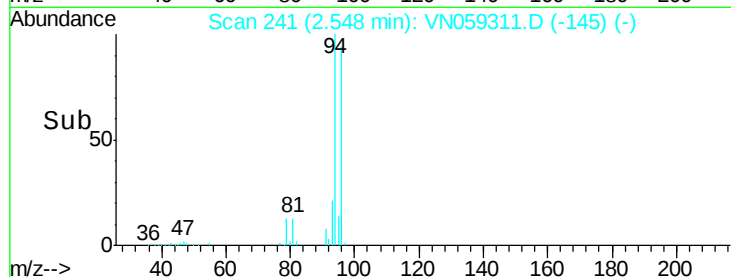
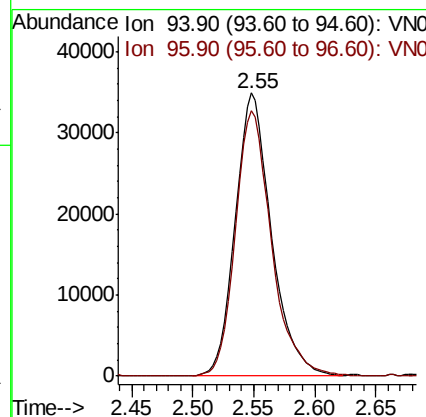
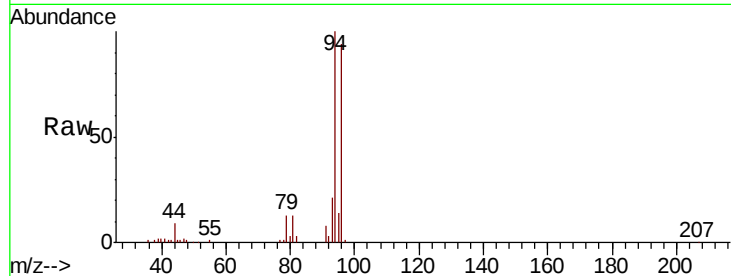
96 93.6 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 22.308 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN059311.D

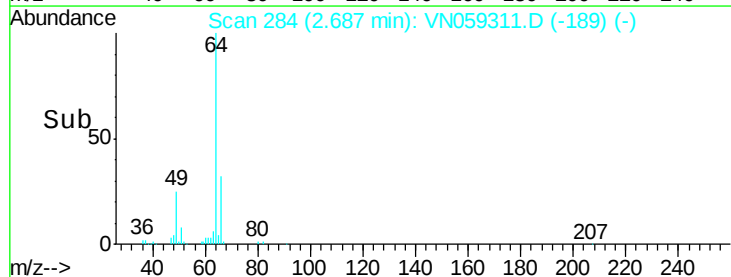
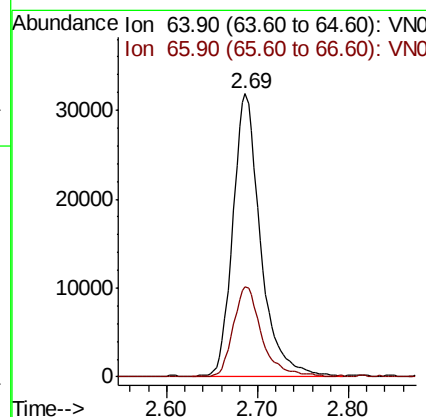
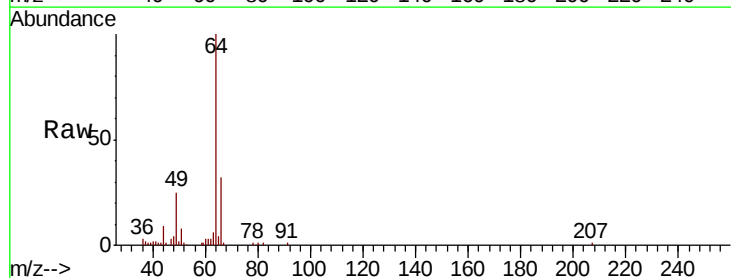
Acq: 19 Nov 2019 17:36

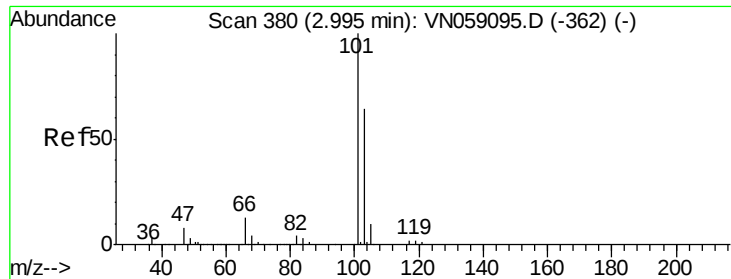
Tgt Ion: 64 Resp: 67699

Ion Ratio Lower Upper

64 100

66 31.8 25.2 37.8





#7

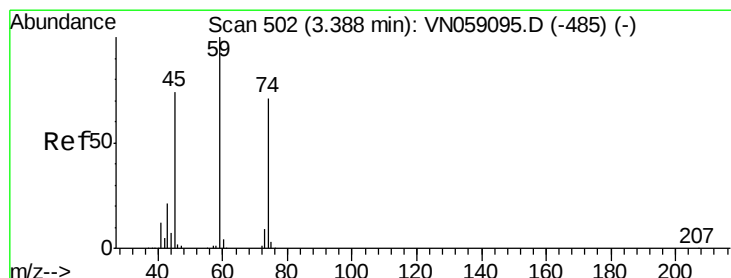
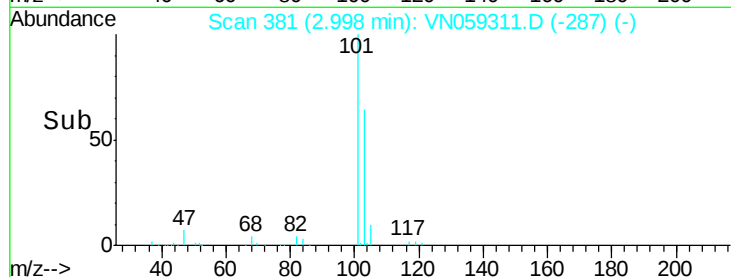
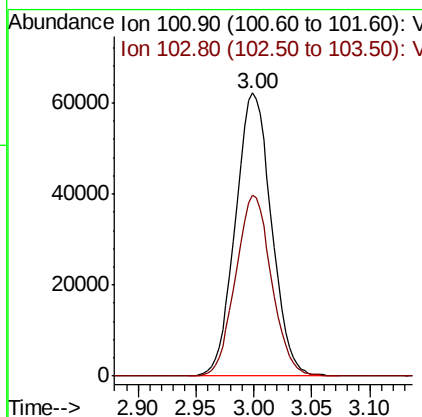
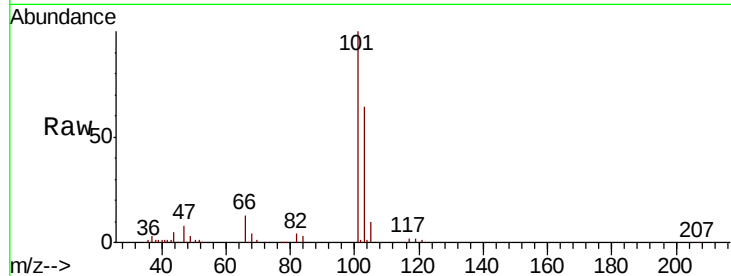
Trichlorofluoromethane
 Concen: 21.913 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

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 VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.2	76.8

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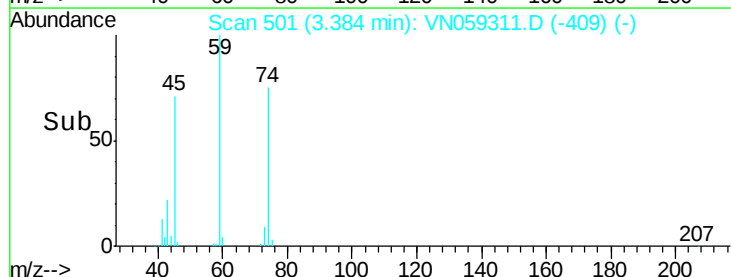
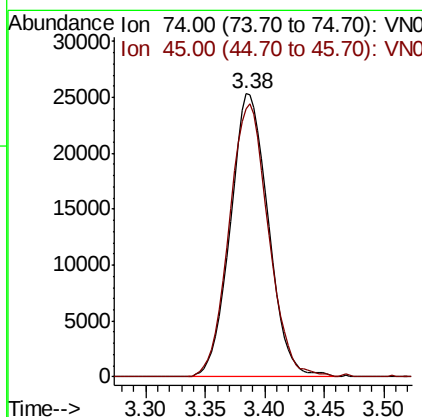
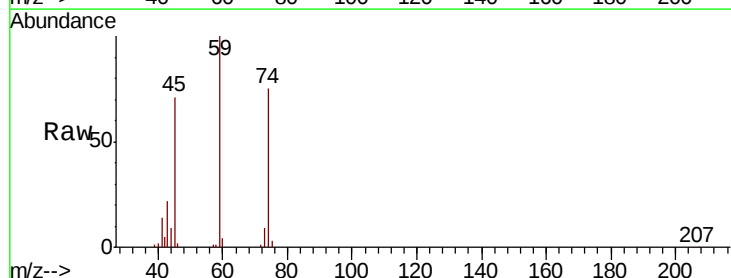
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 11/20/2019 1:36:57 PM

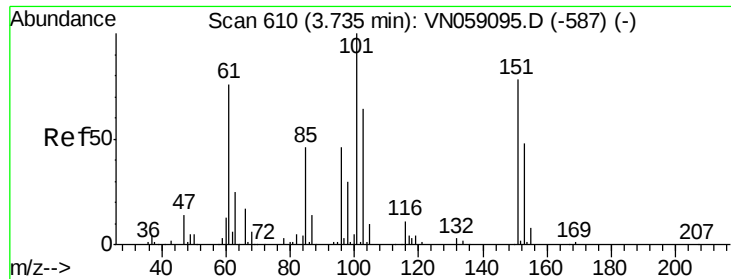


#8

Diethyl Ether
 Concen: 22.443 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	51.6	154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.562 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

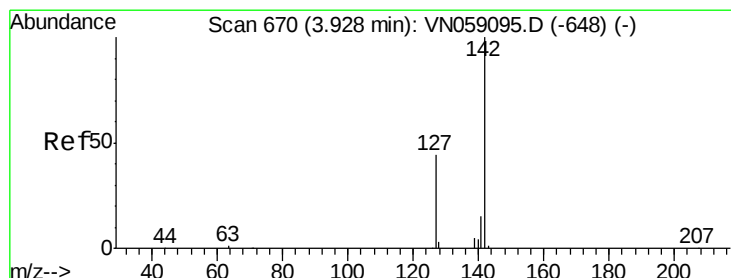
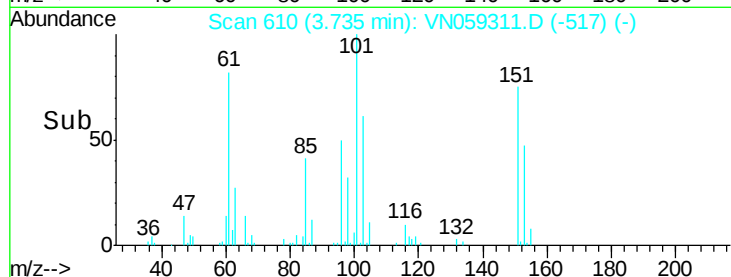
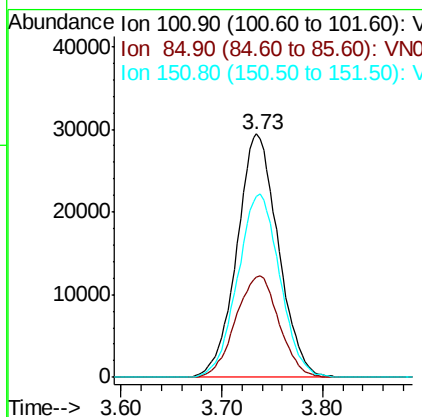
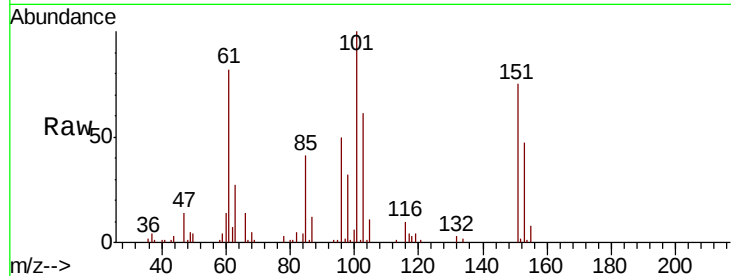
ClientSampleId :

VN1119WBSD04

Tot Ion:	101	Resp:	83472
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	77.1	62.2	93.2

Manual Integrations
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#10

Methyl Iodide

Concen: 21.548 ug/l

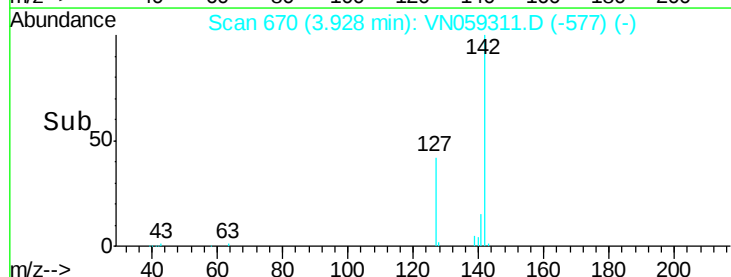
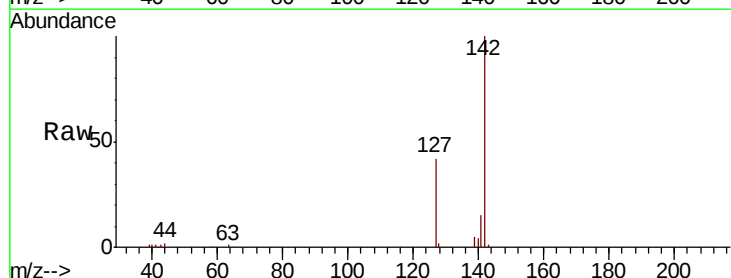
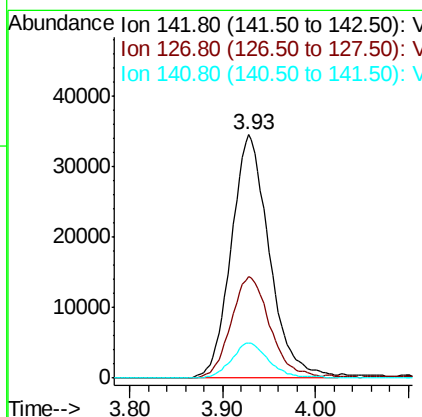
RT: 3.93 min Scan# 670

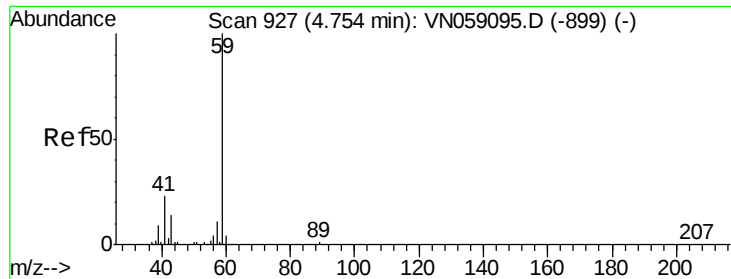
Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion:	142	Resp:	98680
Ion Ratio	Lower	Upper	
142	100		
127	42.6	34.2	51.2
141	14.0	11.4	17.0





#11

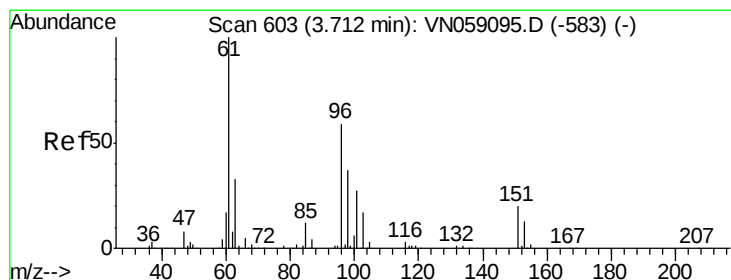
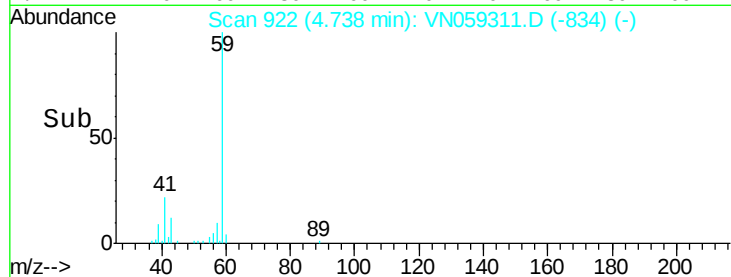
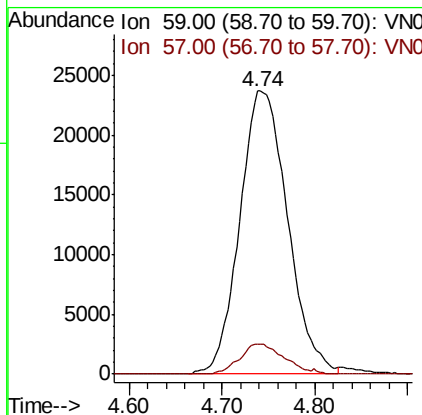
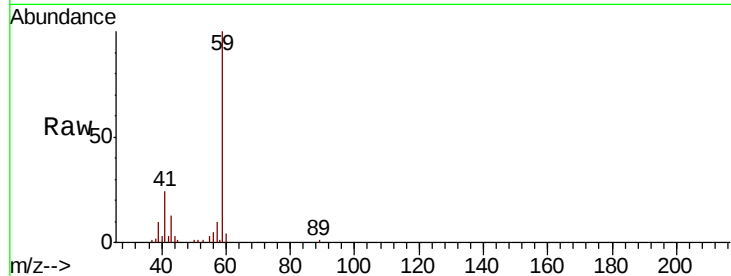
Tert butyl alcohol
Concen: 93.717 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.02 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.3	12.5

Manual Integrations
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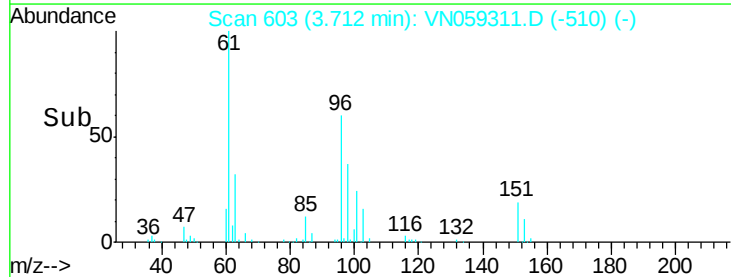
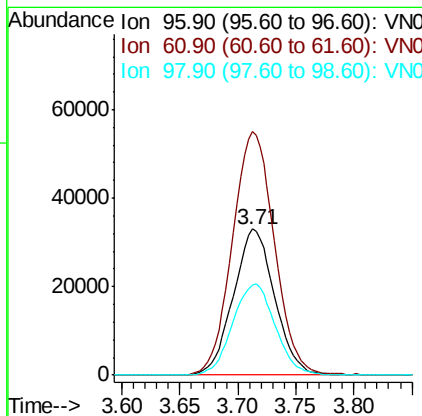
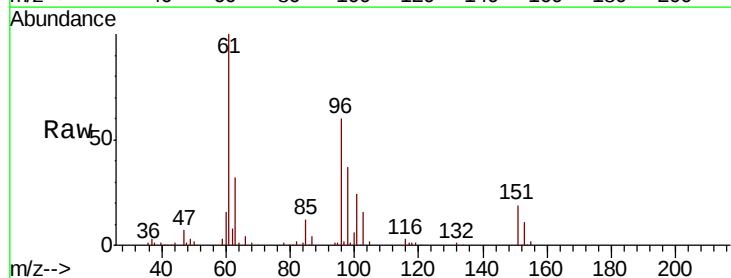
MMDadoda
11/20/2019 1:36:57 PM

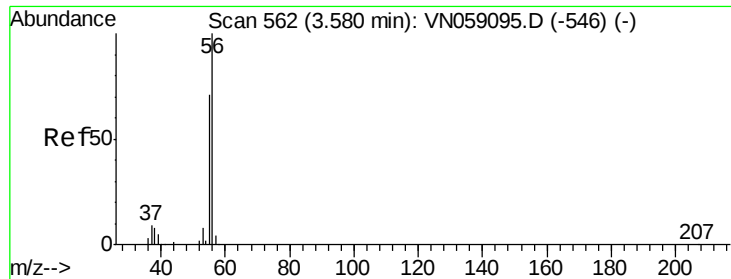


#12

1,1-Dichloroethene
Concen: 22.646 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.2	136.5	204.7
98	61.4	50.2	75.4





#13

Acrolein

Concen: 68.980 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 56 Resp: 32189

Ion Ratio Lower Upper

56 100

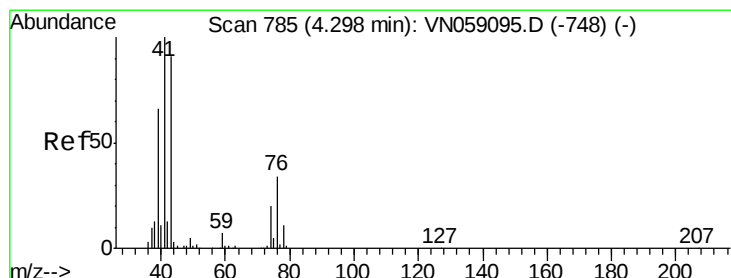
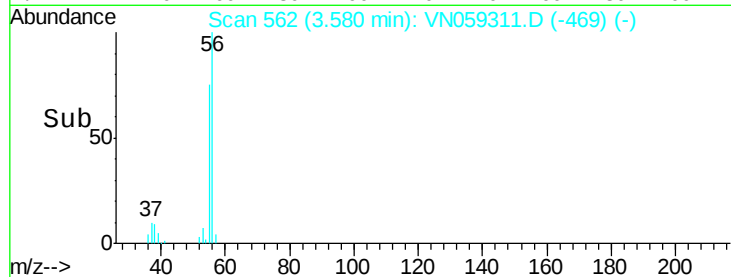
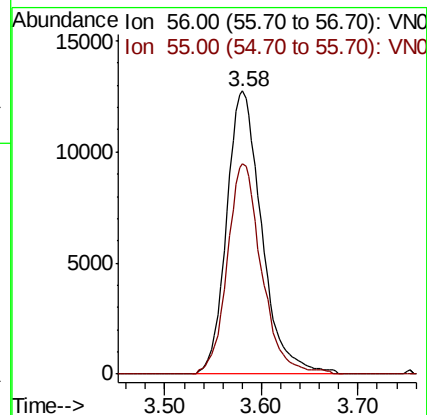
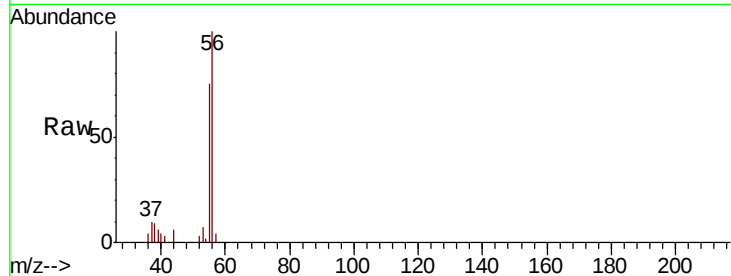
55 72.0 56.4 84.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.490 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

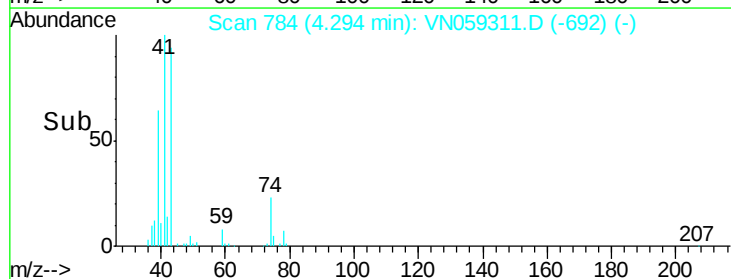
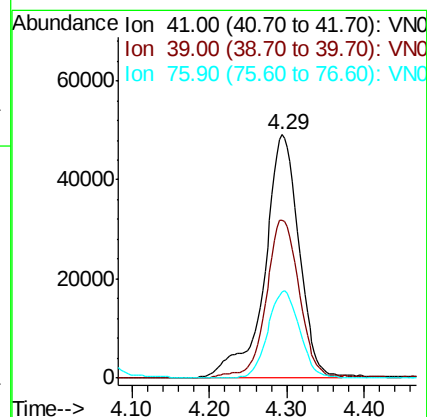
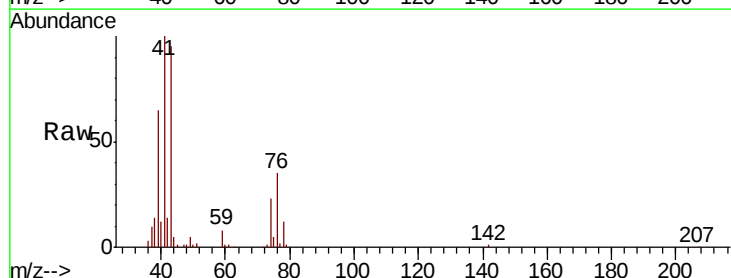
Tgt Ion: 41 Resp: 151689

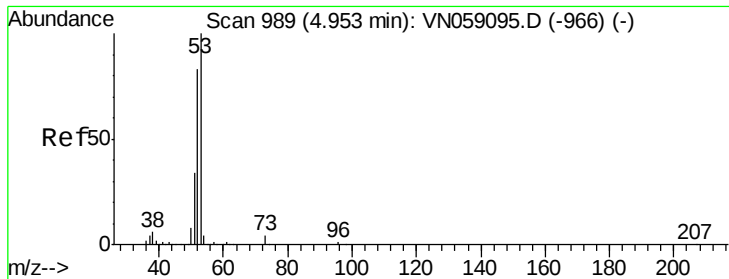
Ion Ratio Lower Upper

41 100

39 62.7 49.1 73.7

76 33.1 24.9 37.3





#15

Acrylonitrile

Concen: 101.730 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

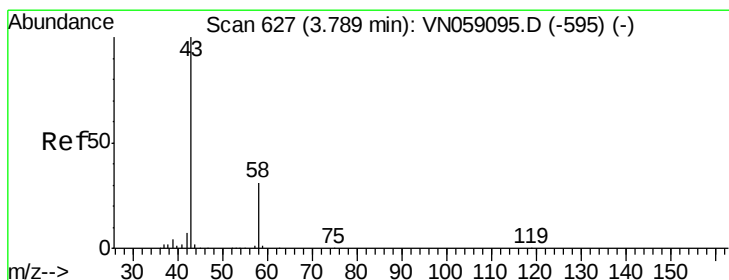
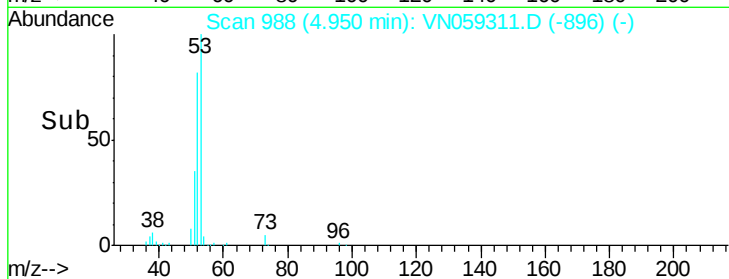
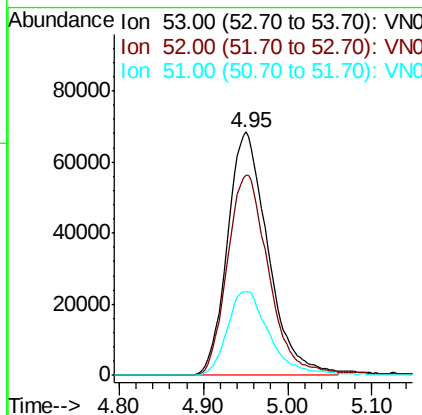
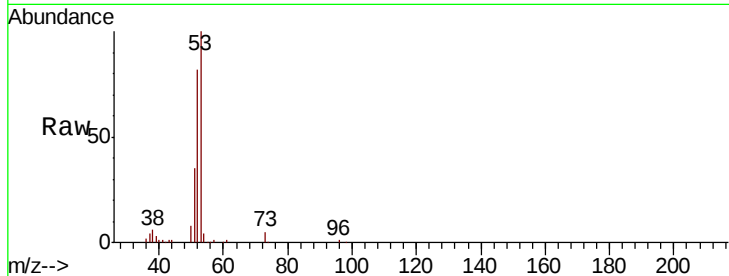
ClientSampleId :

VN1119WBSD04

Tot Ion:	53	Resp:	229143
Ion Ratio	Lower	Upper	
53	100		
52	83.9	65.0	97.6
51	35.8	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 90.418 ug/l

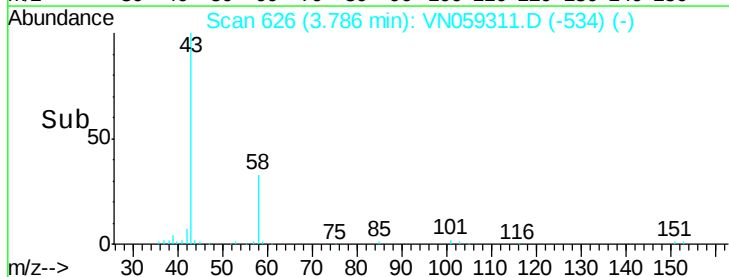
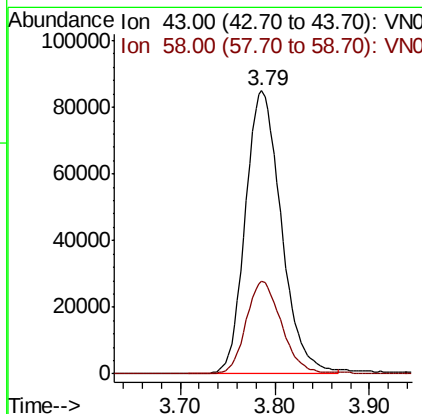
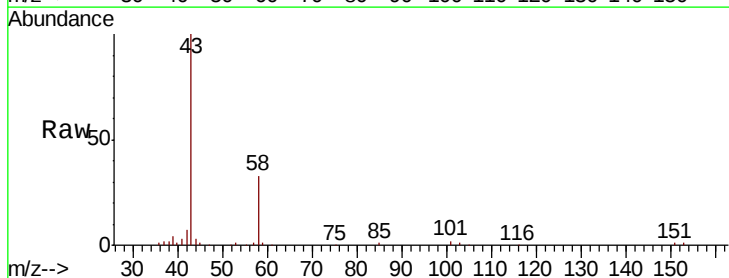
RT: 3.79 min Scan# 626

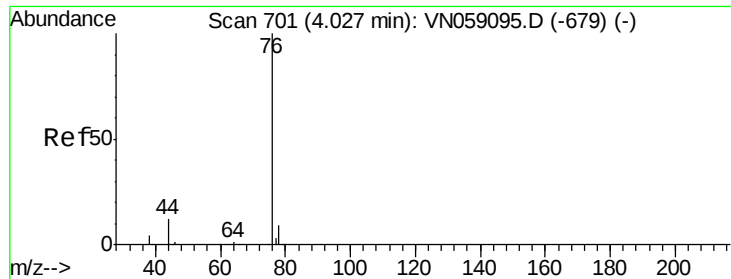
Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion:	43	Resp:	223301
Ion Ratio	Lower	Upper	
43	100		
58	32.8	24.9	37.3





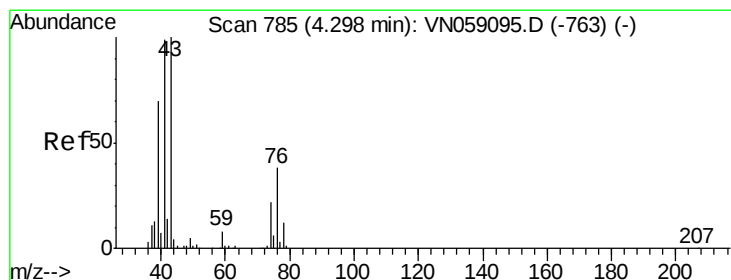
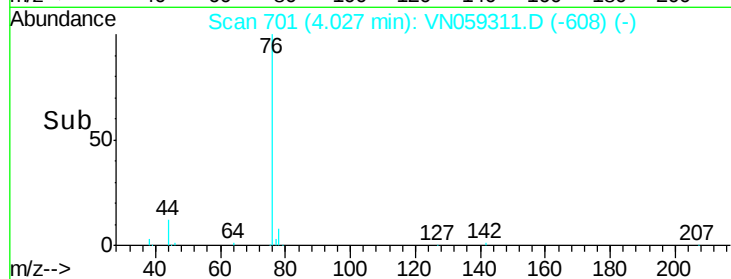
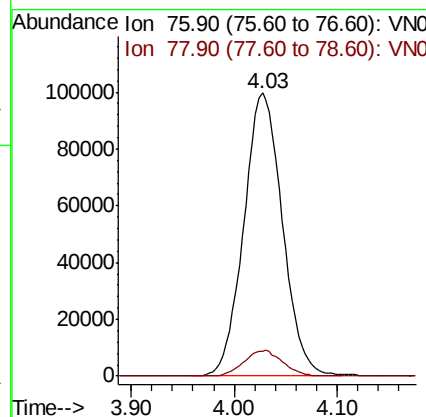
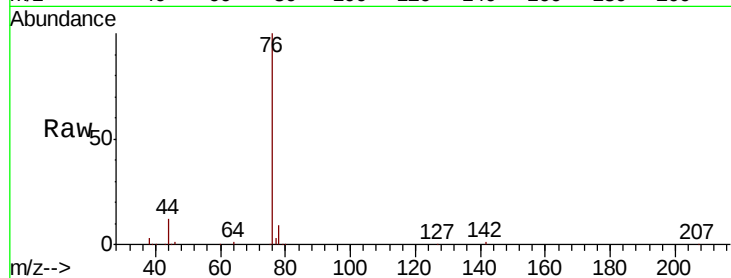
#17
Carbon Disulfide
Concen: 23.203 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

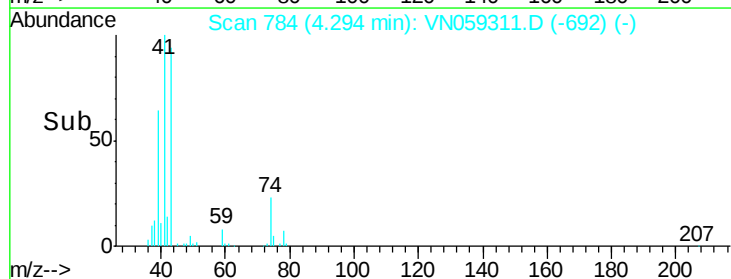
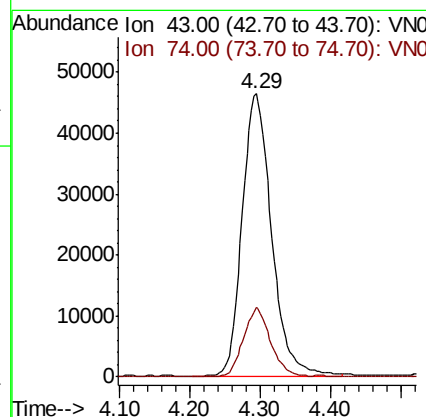
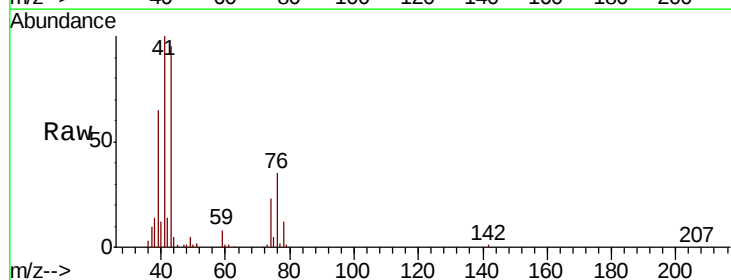
Manual Integrations
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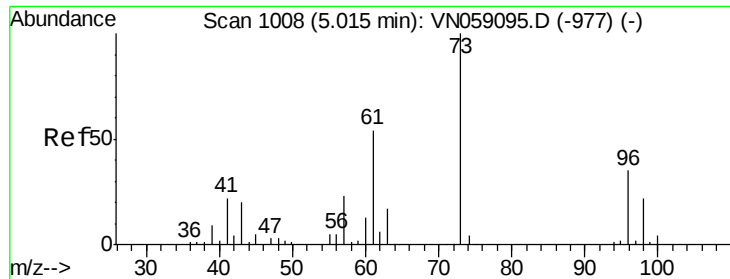
MMDadoda
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#18
Methyl Acetate
Concen: 23.256 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.8	26.8





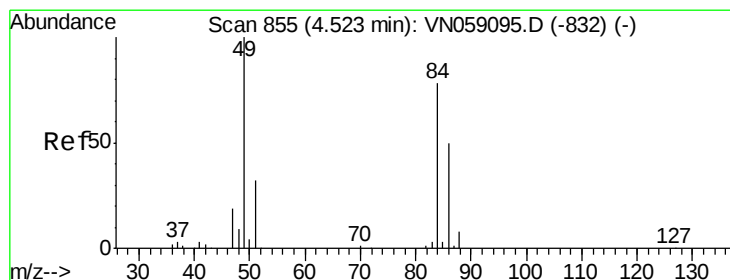
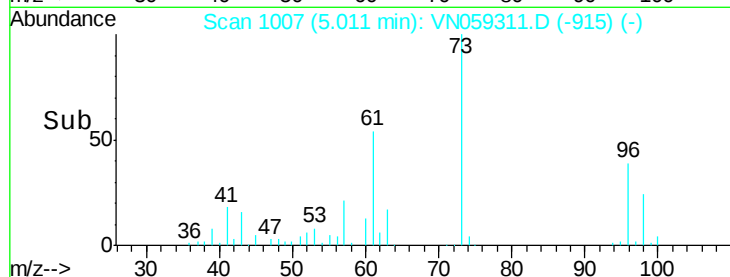
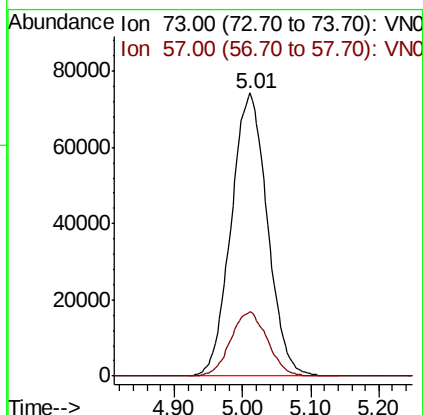
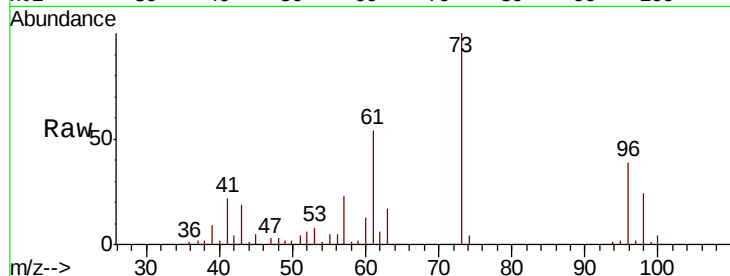
#19
Methvl tert-butvl Ether
Concen: 22.081 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 73 Resp: 273987
Ion Ratio Lower Upper
73 100
57 22.8 18.4 27.6

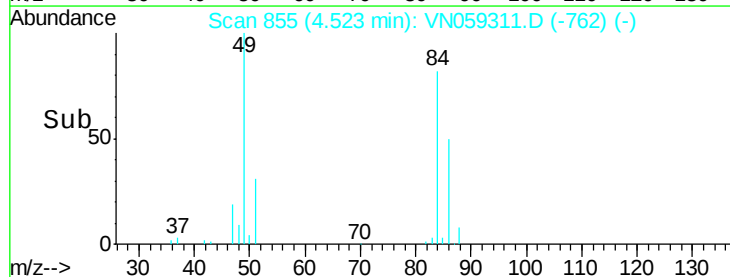
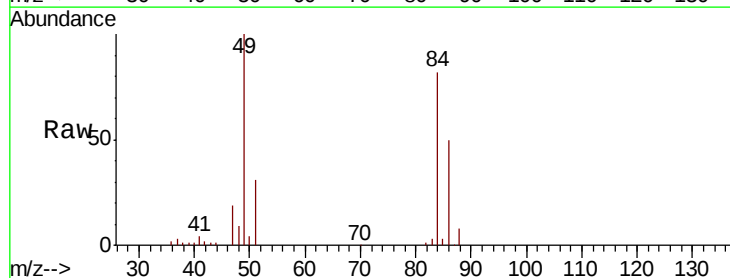
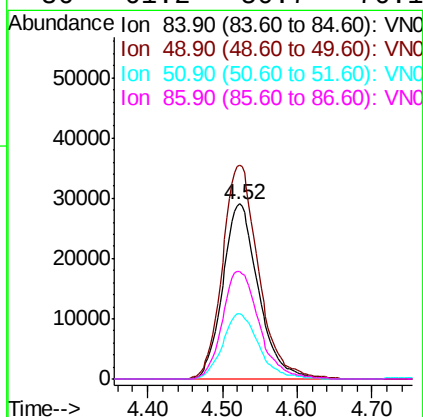
Manual Integrations
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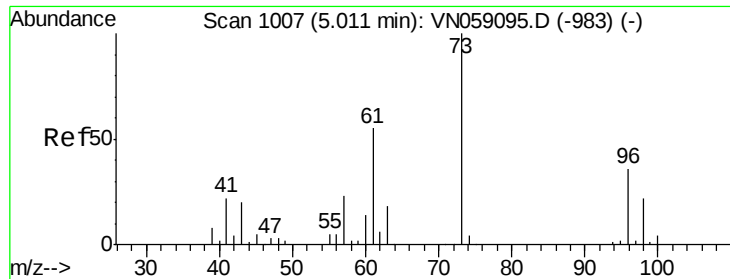
MMDadoda
11/20/2019 1:36:57 PM



#20
Methylene Chloride
Concen: 22.326 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion: 84 Resp: 96060
Ion Ratio Lower Upper
84 100
49 122.2 102.0 153.0
51 37.3 32.2 48.2
86 61.2 50.7 76.1





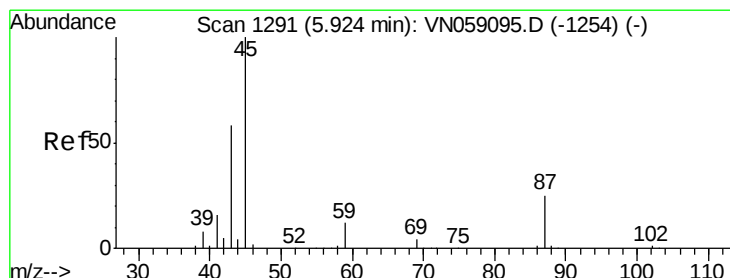
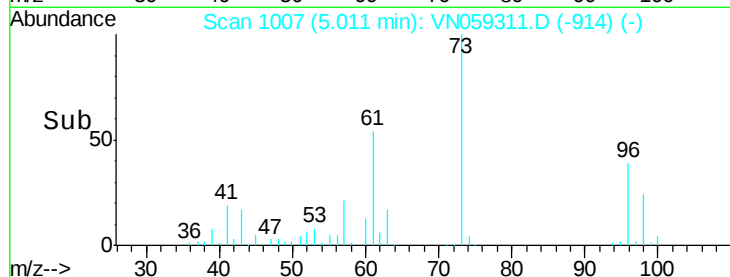
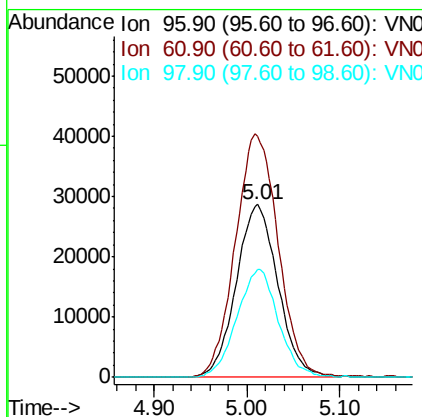
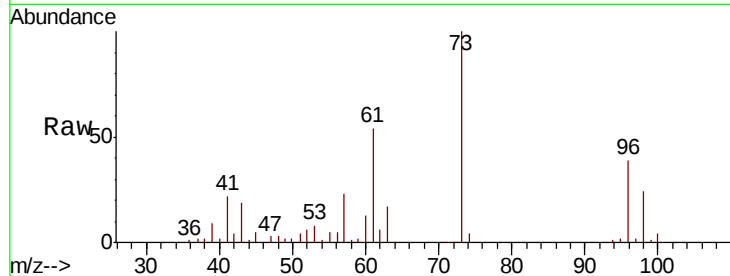
#21
trans-1,2-Dichloroethene
Concen: 23.124 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.7	122.6	183.8
98	62.5	50.3	75.5

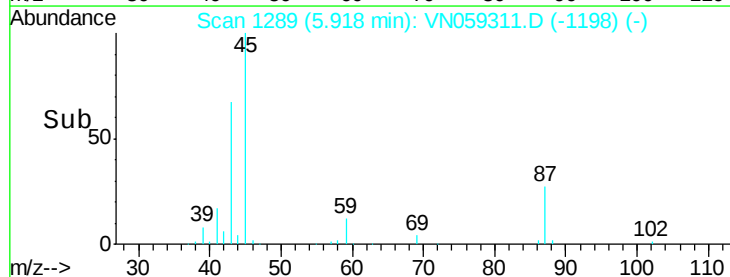
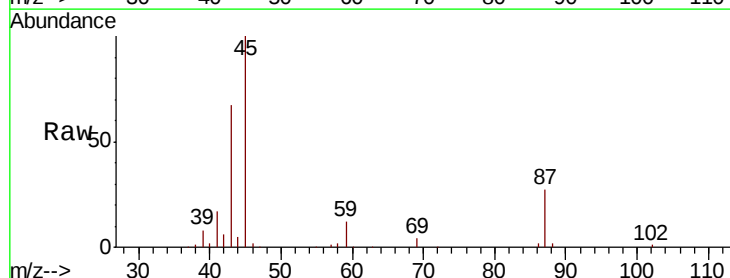
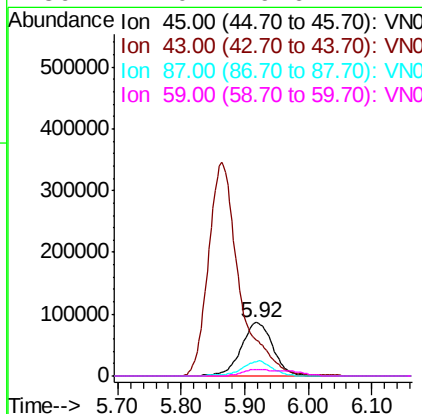
Manual Integrations
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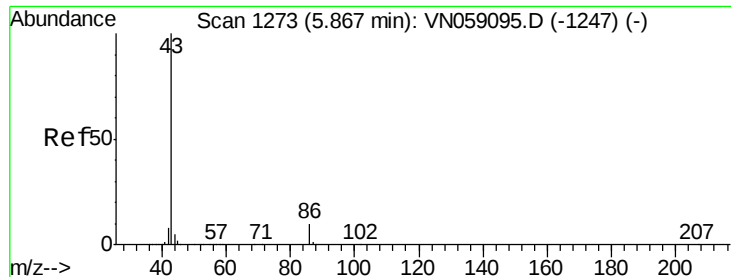
MMDadoda
11/20/2019 1:36:57 PM



#22
Diisopropyl ether
Concen: 21.345 ug/l
RT: 5.92 min Scan# 1289
Delta R.T. -0.01 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.6	46.7	70.1
87	27.0	20.5	30.7
59	12.0	9.6	14.4





#23

Vinyl Acetate

Concen: 107.615 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 43 Resp: 1166257

Ion Ratio Lower Upper

43 100

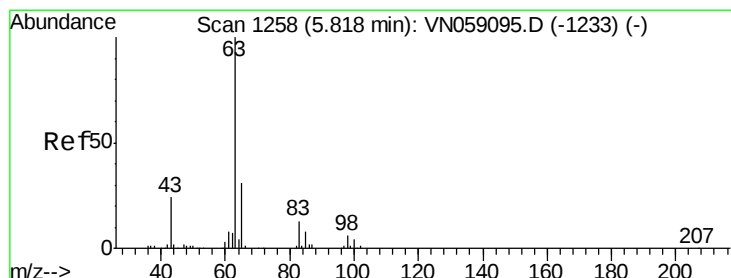
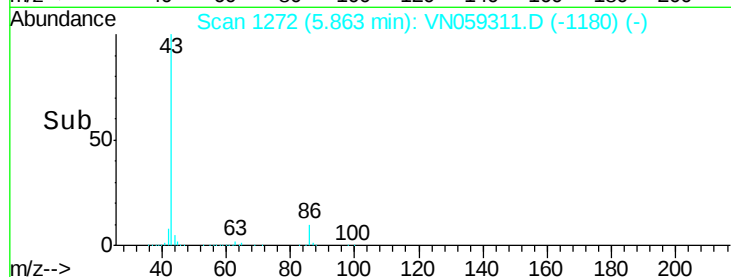
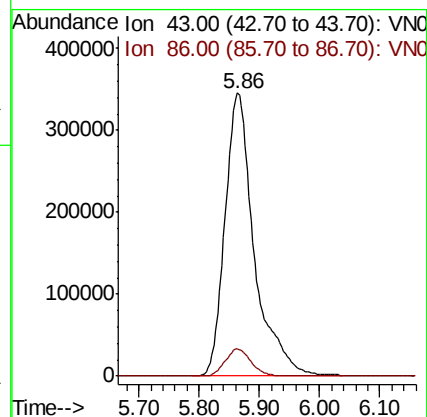
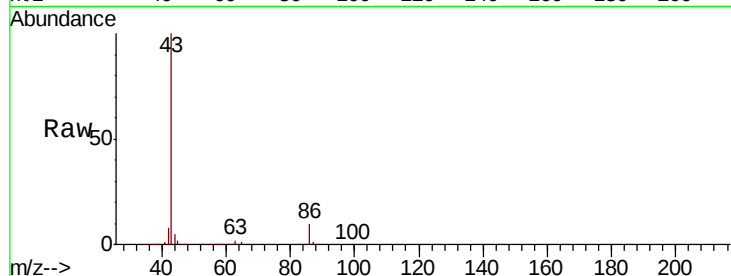
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 21.989 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

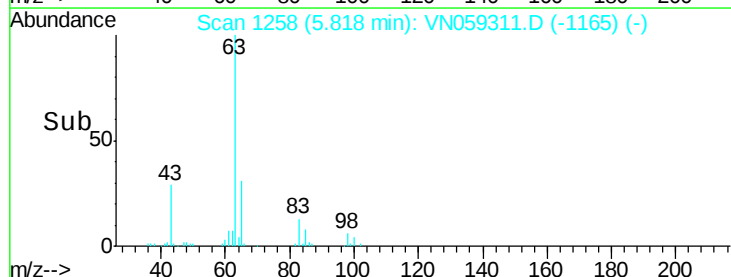
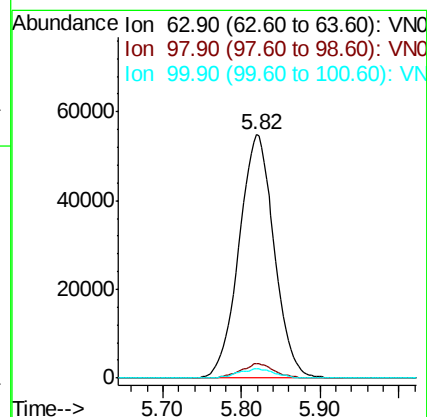
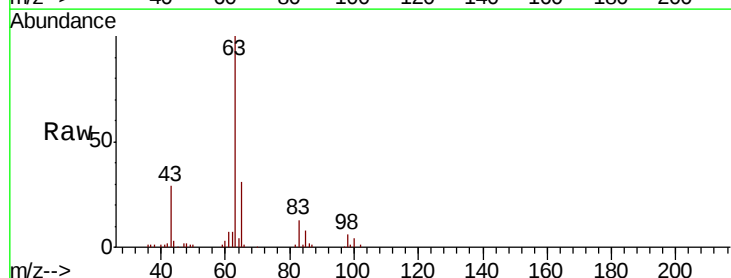
Tgt Ion: 63 Resp: 171736

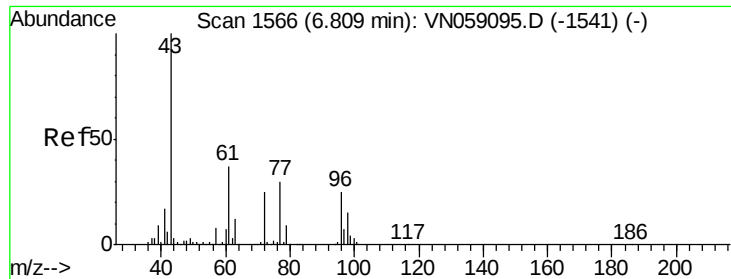
Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.9 1.9 5.7





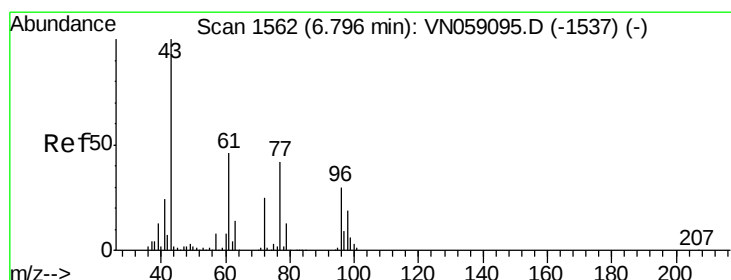
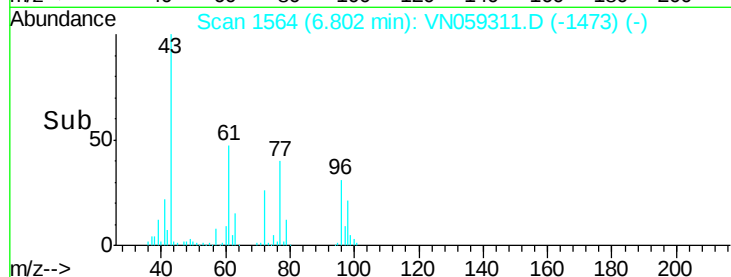
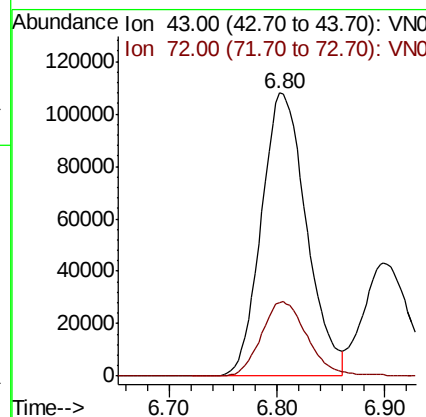
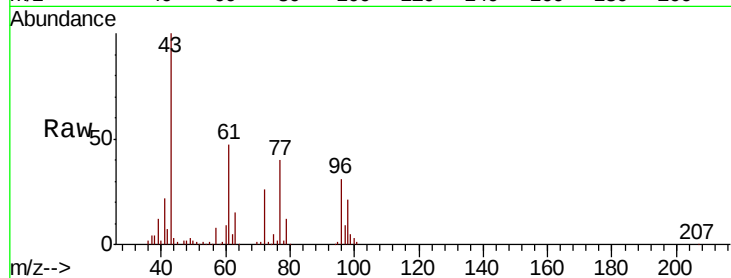
#25
2-Butanone
Concen: 96.259 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 43 Resp: 313310
Ion Ratio Lower Upper
43 100
72 26.2 20.3 30.5

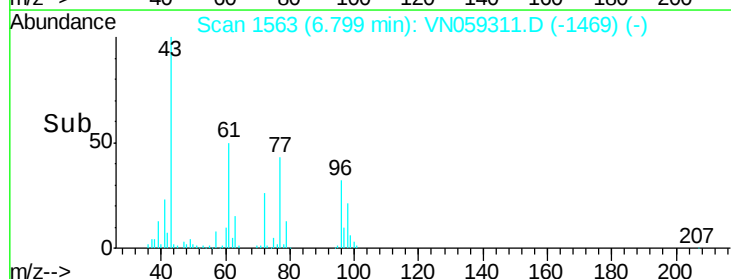
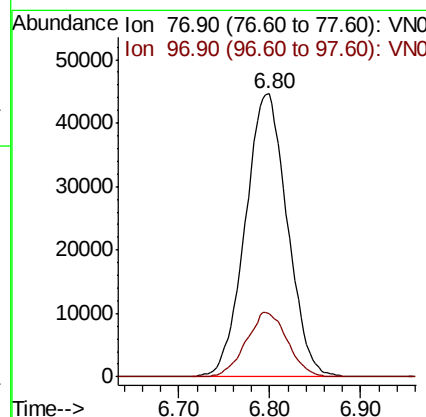
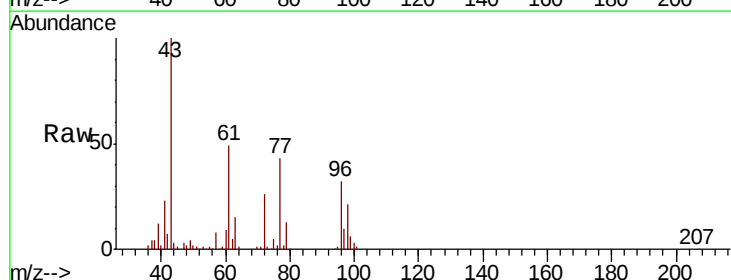
Manual Integrations
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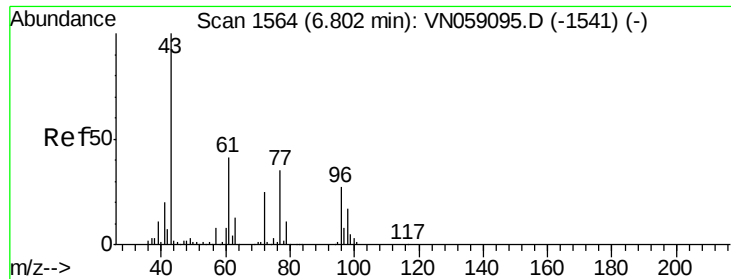
MMDadoda
11/20/2019 1:36:57 PM



#26
2,2-Dichloropropane
Concen: 20.960 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion: 77 Resp: 143143
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.940 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

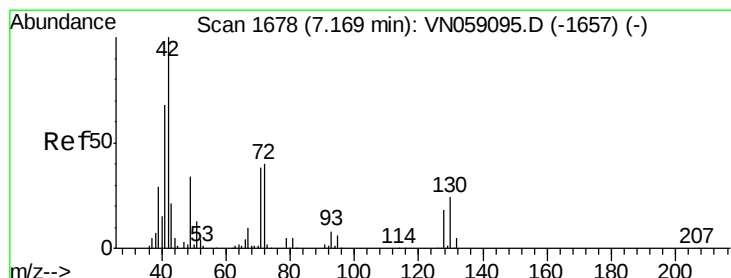
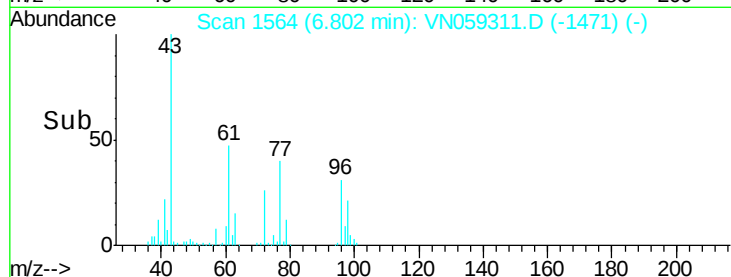
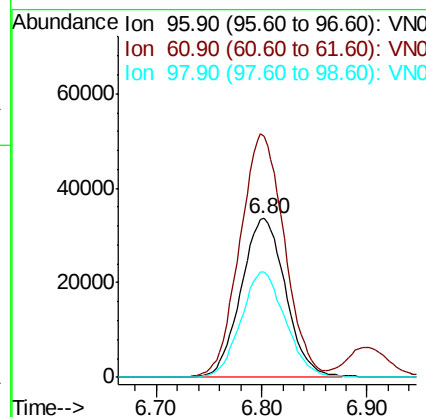
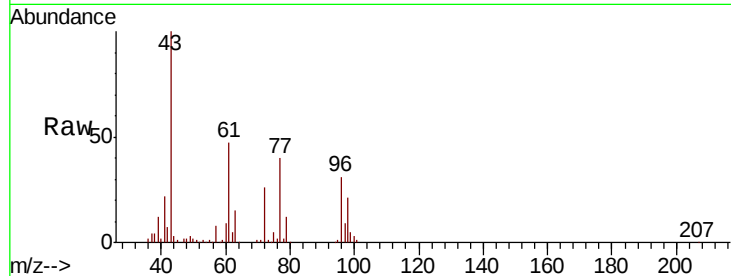
ClientSampleId :

VN1119WBSD04

Tot Ion:	96	Resp:	98470
Ion	Ratio	Lower	Upper
96	100		
61	153.7	0.0	311.6
98	66.2	0.0	129.8

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#28

Bromochloromethane

Concen: 20.599 ug/l

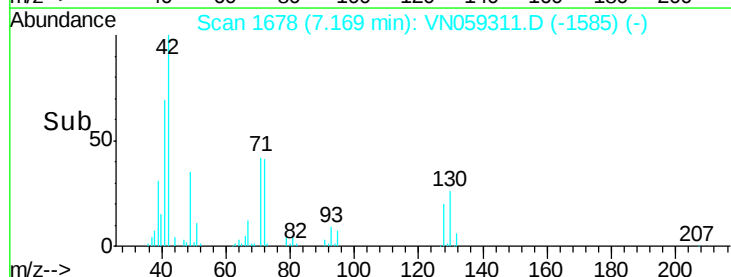
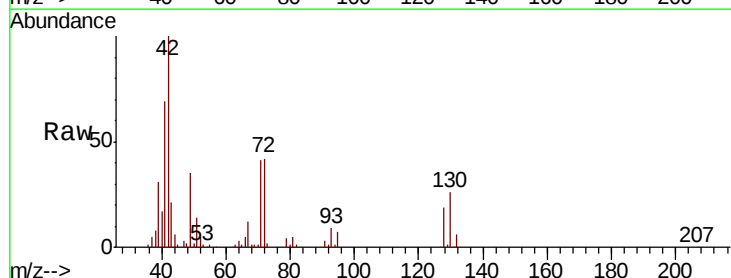
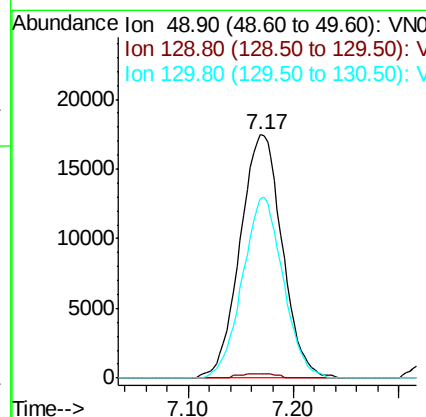
RT: 7.17 min Scan# 1678

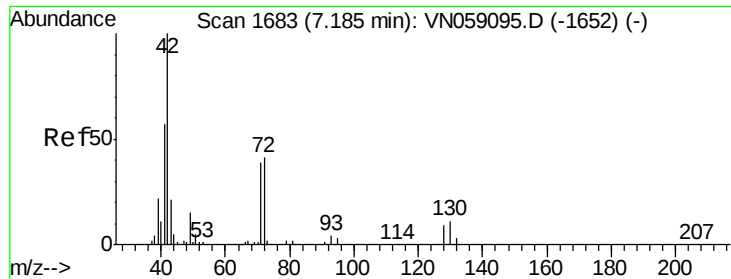
Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion:	49	Resp:	48402
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	71.9	55.6	83.4





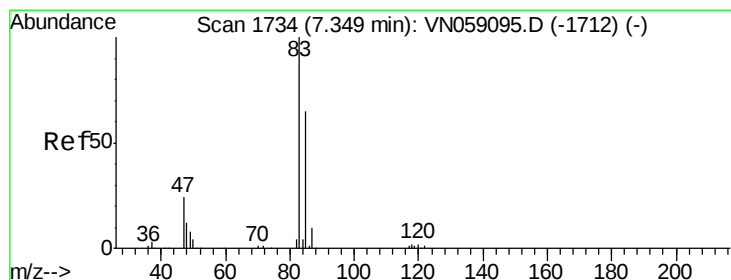
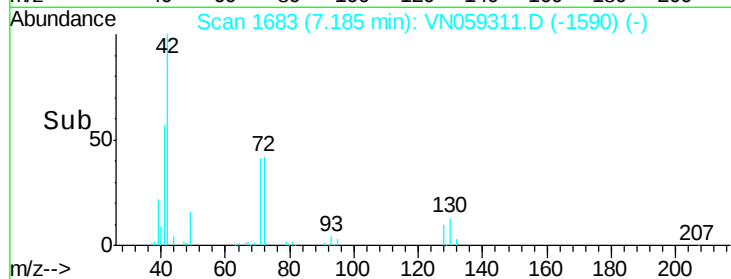
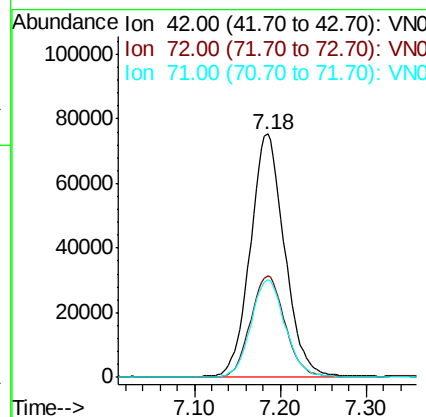
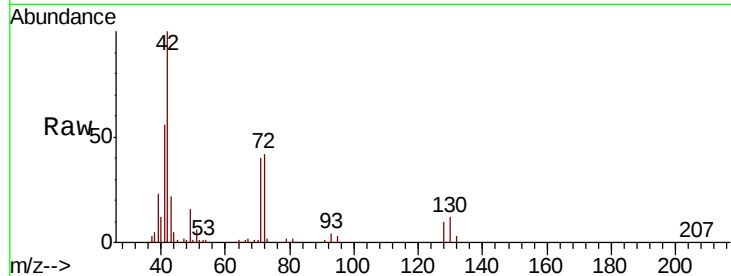
#29
Tetrahydrofuran
Concen: 101.176 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.1	49.7
71	40.0	30.9	46.3

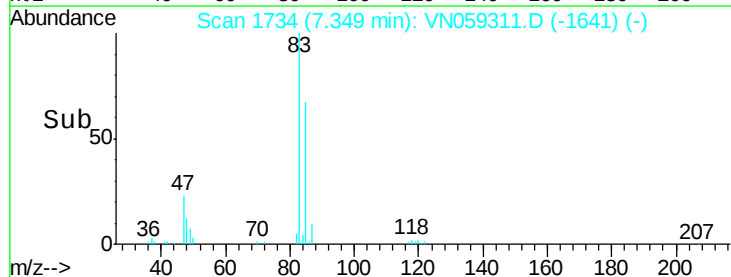
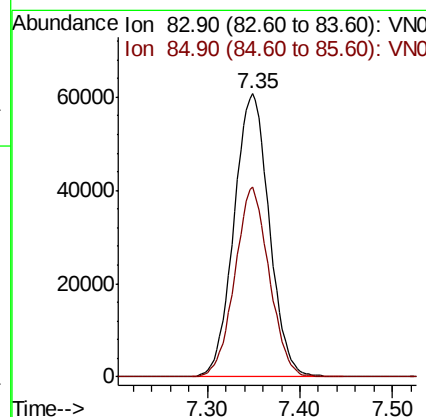
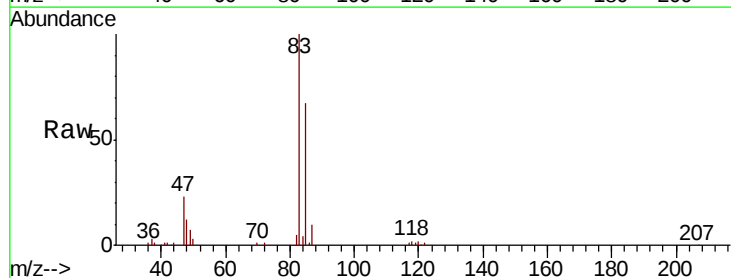
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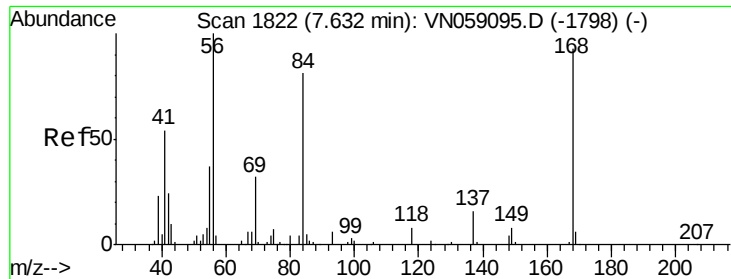
MMDadoda
11/20/2019 1:36:57 PM



#30
Chloroform
Concen: 21.349 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	51.8	77.8





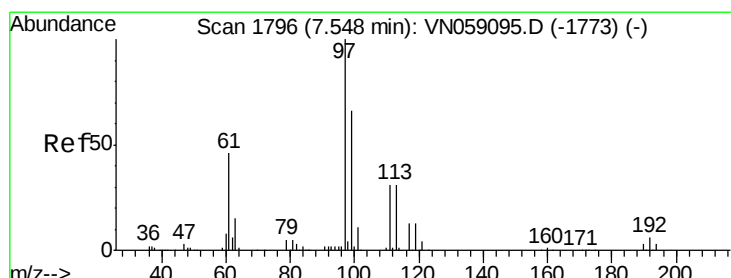
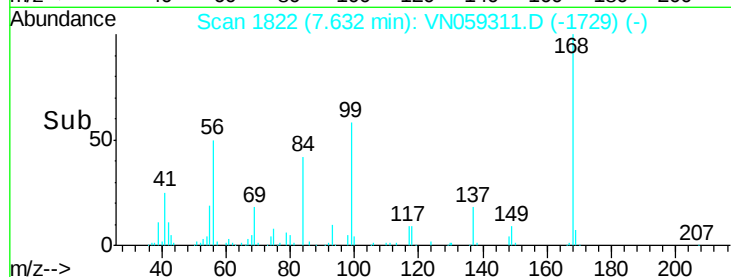
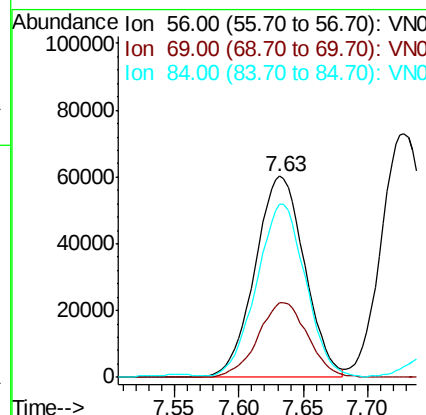
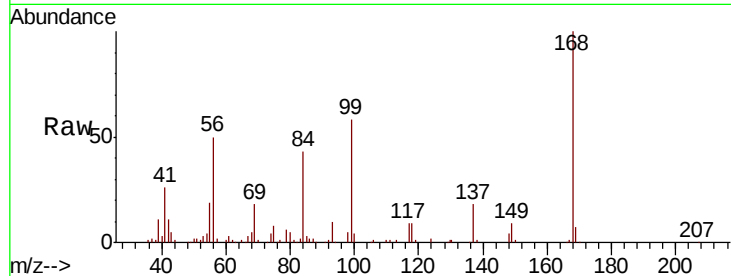
#31
Cyclohexane
Concen: 21.807 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	25.8	38.8
84	85.2	65.0	97.4

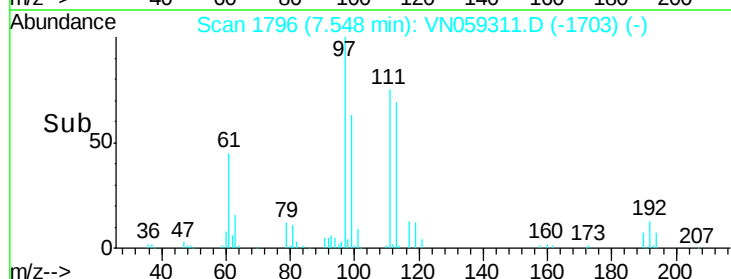
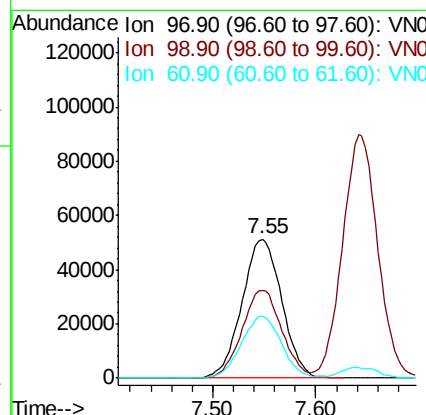
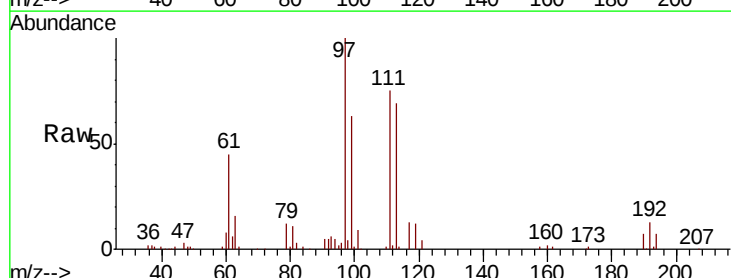
Manual Integrations
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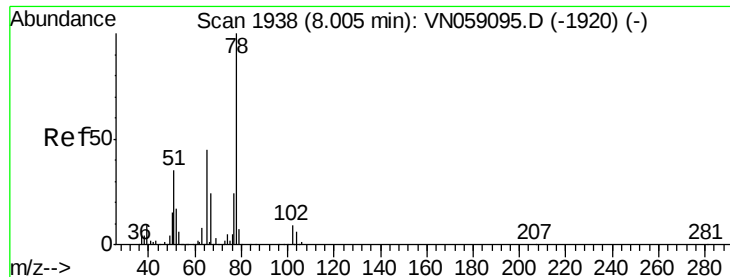
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.843 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.0	76.6
61	44.7	35.8	53.8





#33

1,2-Dichloroethane-d4

Concen: 47.477 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 65 Resp: 225479

Ion Ratio Lower Upper

65 100

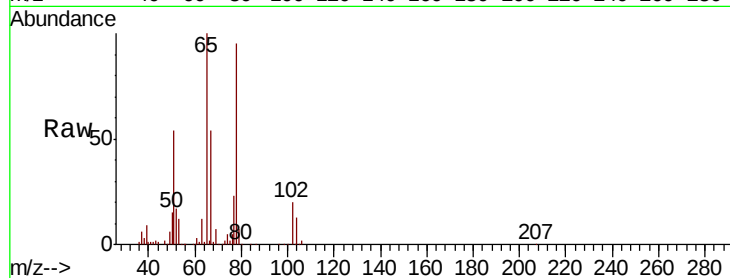
67 54.5 0.0 107.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN059311.D (-1845) (-)

Ion 66.90 (66.60 to 67.60): VN059311.D (-1845) (-)

8.00

100000

80000

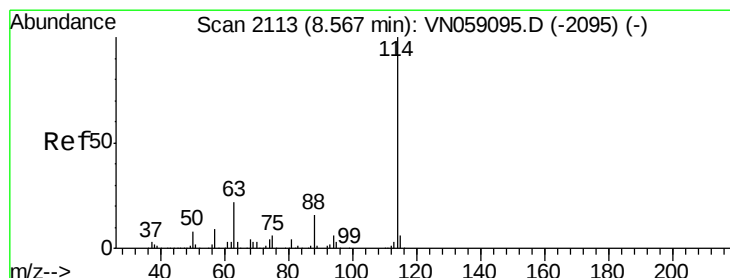
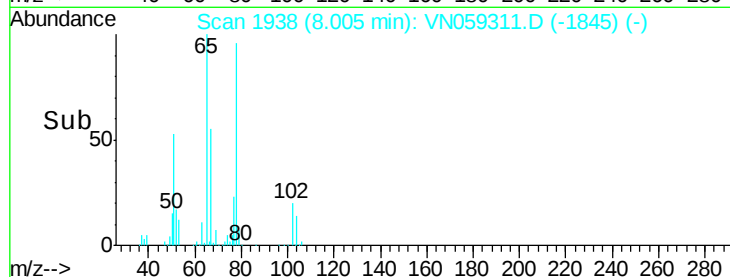
60000

40000

20000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

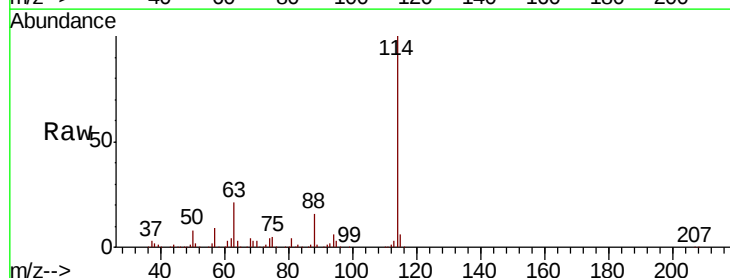
Tgt Ion: 114 Resp: 610728

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.4

88 15.9 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN059311.D (-2020) (-)

Ion 63.00 (62.70 to 63.70): VN059311.D (-2020) (-)

Ion 87.90 (87.60 to 88.60): VN059311.D (-2020) (-)

8.57

400000

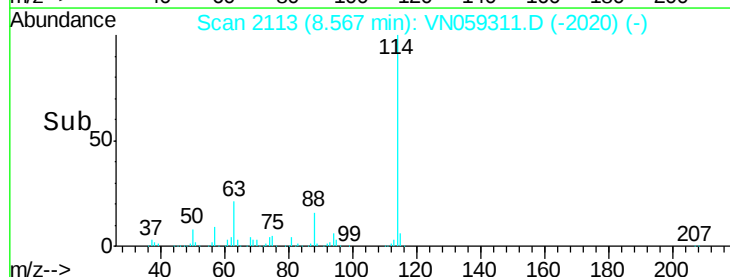
300000

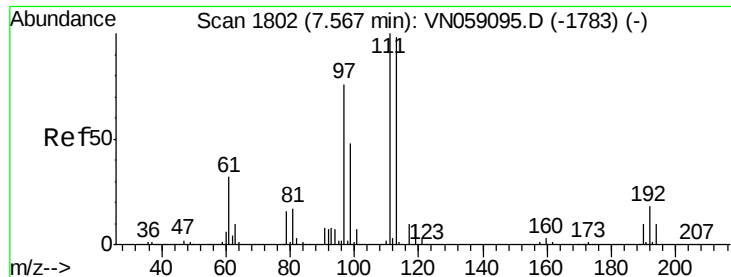
200000

100000

0

Time--> 8.50 8.55 8.60 8.65 8.70





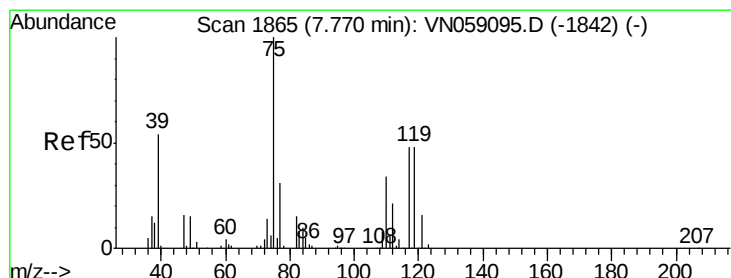
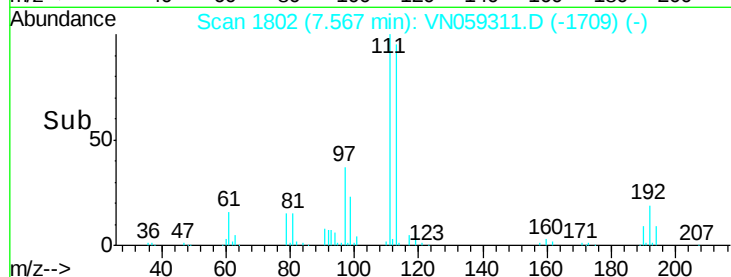
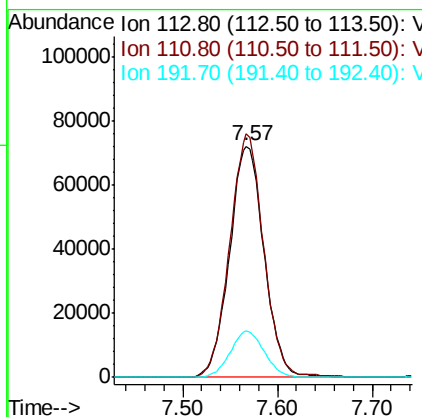
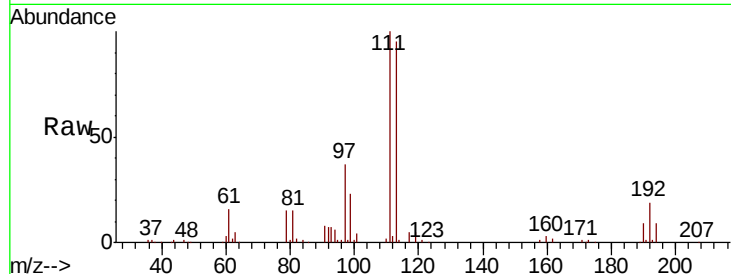
#35
Dibromofluoromethane
Concen: 50.231 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183173		
111	103.2	82.8	124.2	
192	19.6	16.1	24.1	

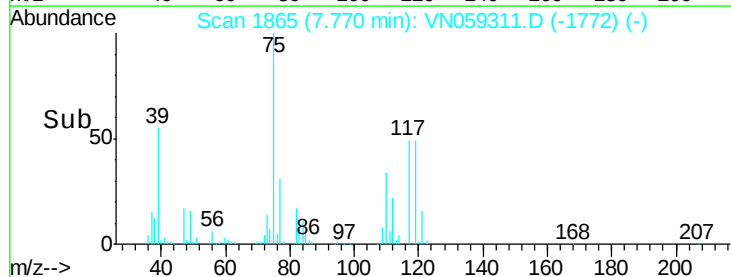
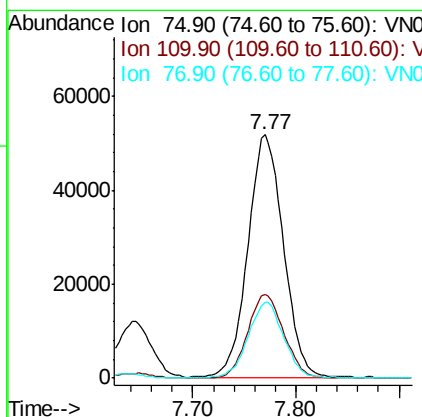
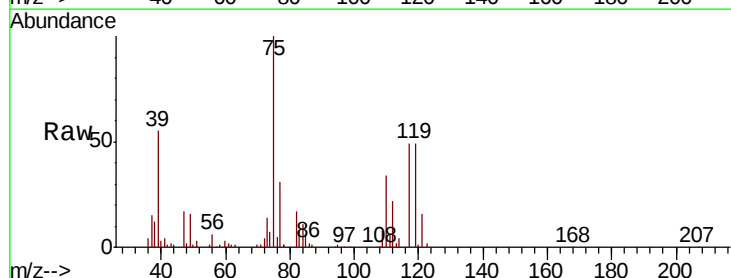
Manual Integrations
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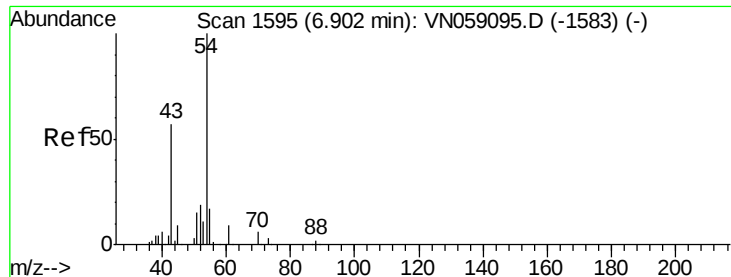
MMDadoda
11/20/2019 1:36:57 PM



#36
1,1-Dichloropropene
Concen: 21.613 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	123377		
110	34.9	17.1	51.2	
77	31.4	24.8	37.2	





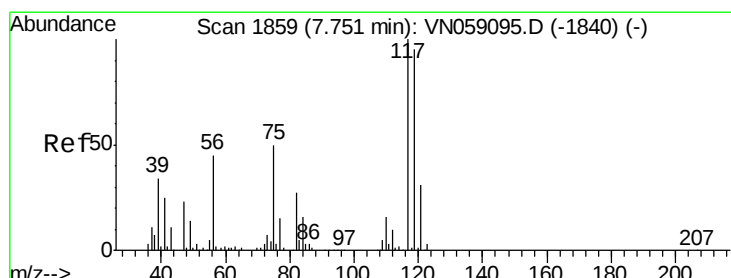
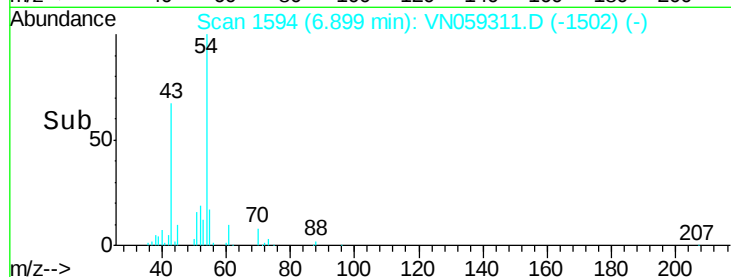
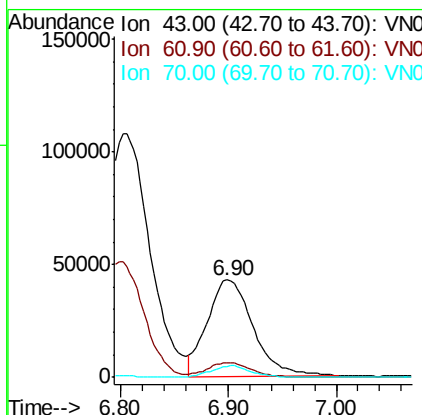
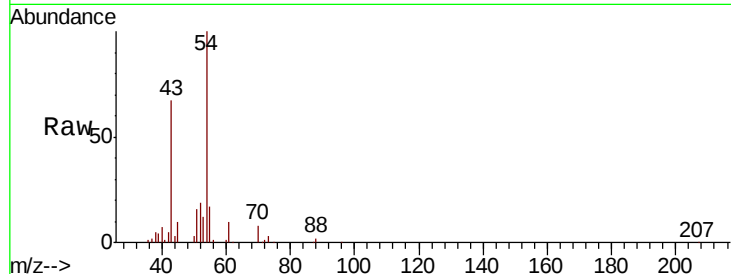
#37
Ethyl Acetate
Concen: 19.888 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.2	16.8
70	10.7	7.8	11.8

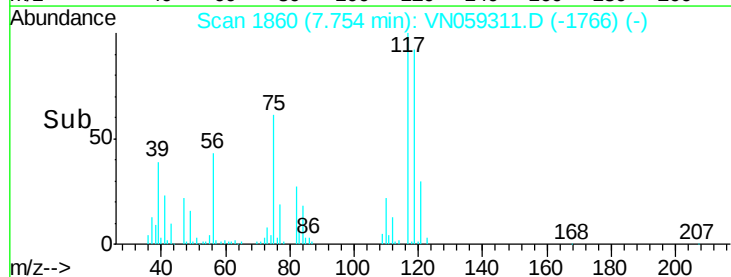
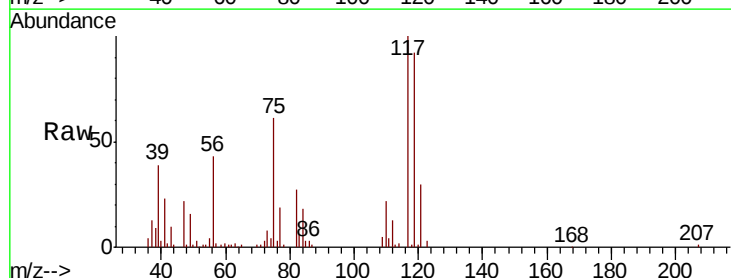
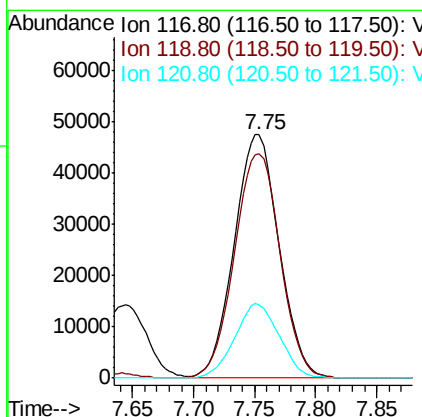
Manual Integrations
APPROVED

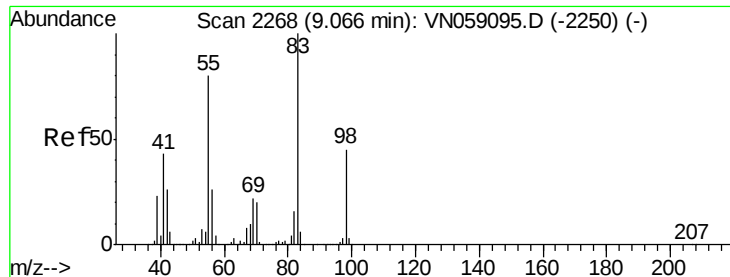
MMDadoda
11/20/2019 1:36:57 PM



#38
Carbon Tetrachloride
Concen: 21.280 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	75.6	113.4
121	30.0	24.6	36.8





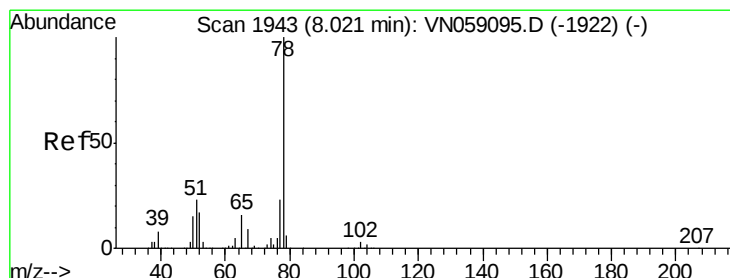
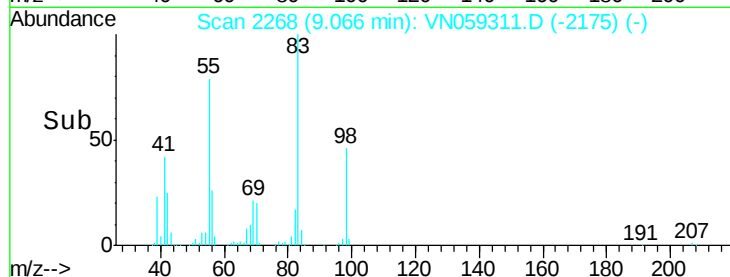
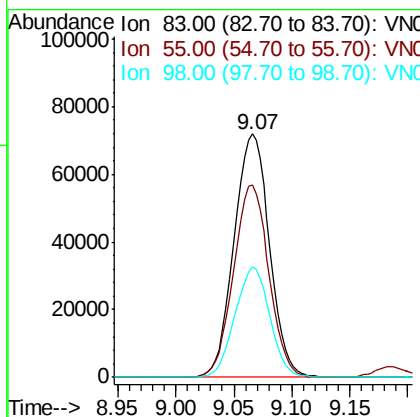
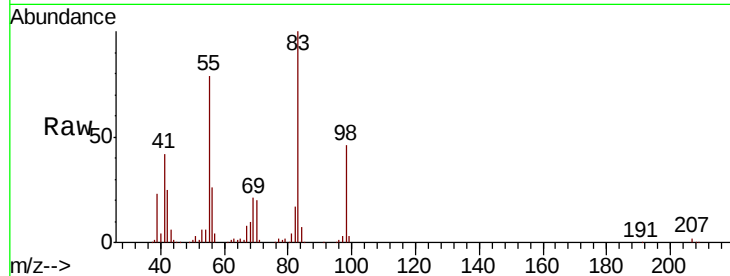
#39
Methvlcvclohexane
Concen: 22.994 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.8	63.9	95.9
98	45.5	35.6	53.4

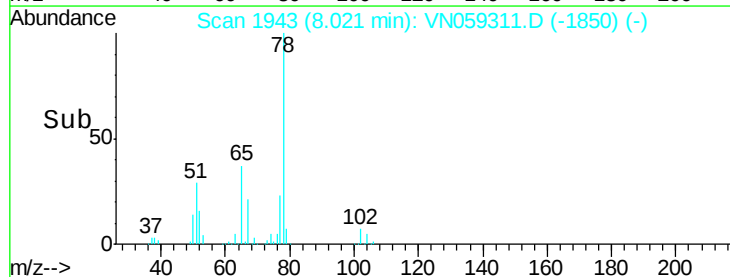
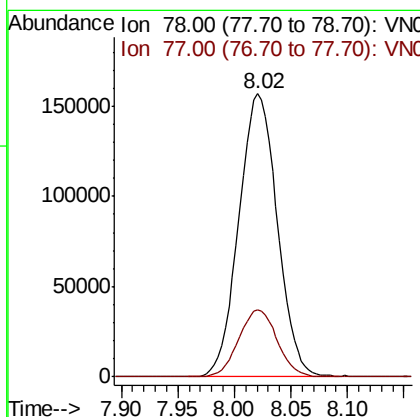
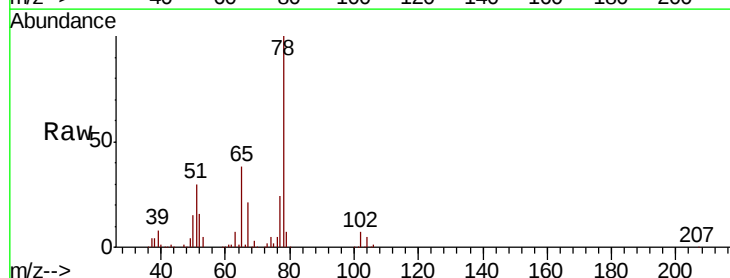
Manual Integrations
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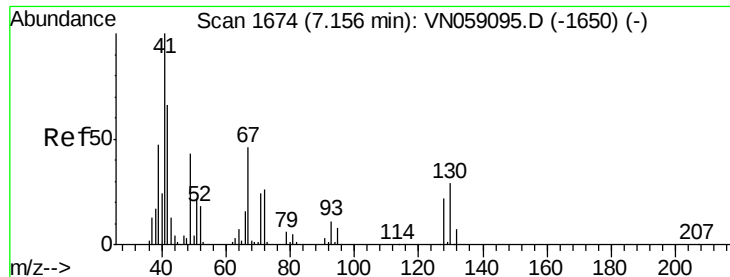
MMDadoda
11/20/2019 1:36:57 PM



#40
Benzene
Concen: 21.651 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





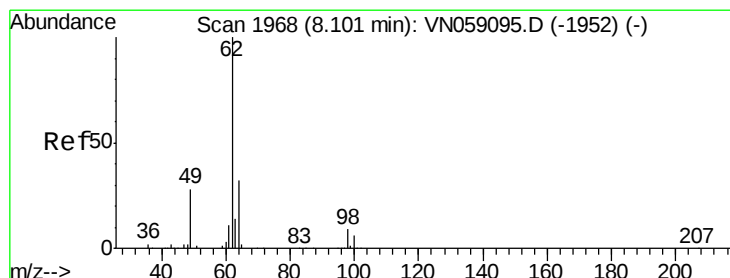
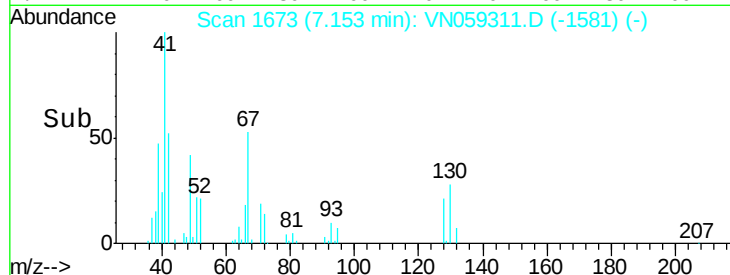
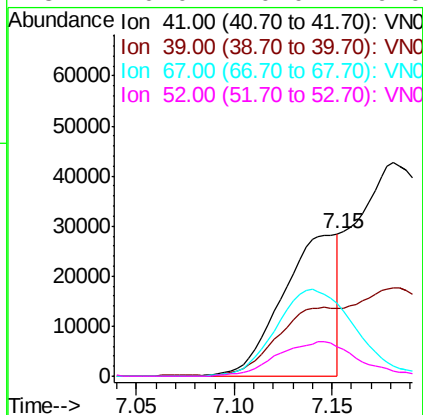
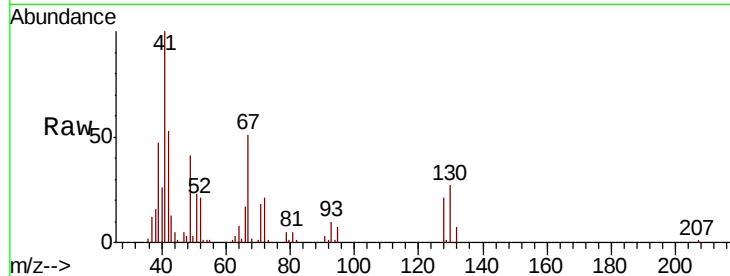
#41
Methacrylonitrile
Concen: 20.230 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	41	Resp	55864
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

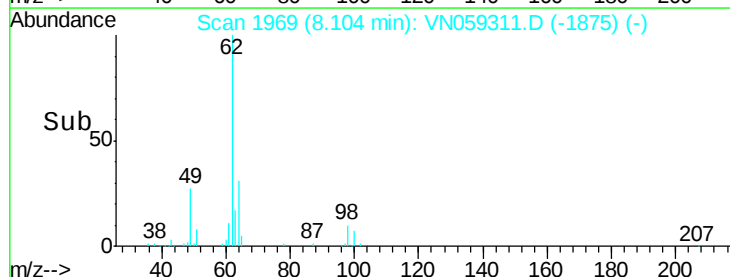
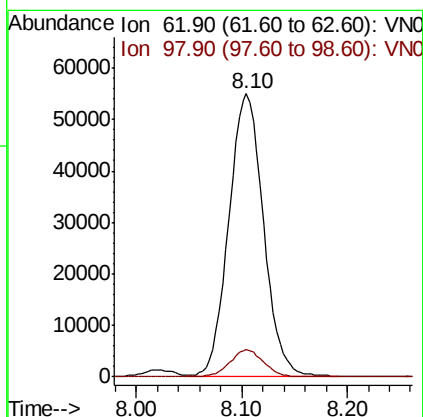
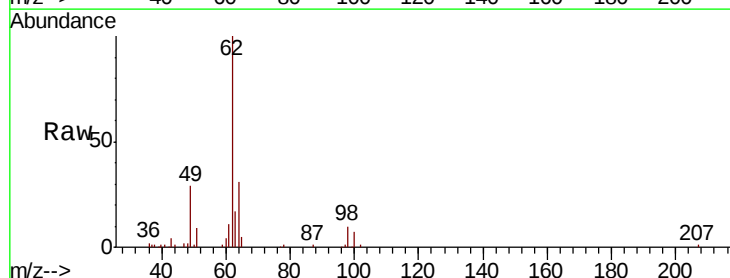
Manual Integrations
APPROVED

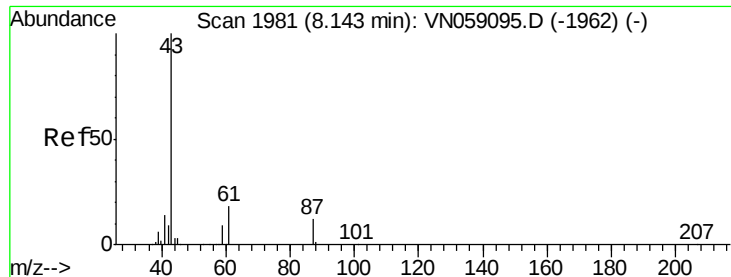
MMDadoda
11/20/2019 1:36:57 PM



#42
1,2-Dichloroethane
Concen: 21.188 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	62	Resp	124920
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8





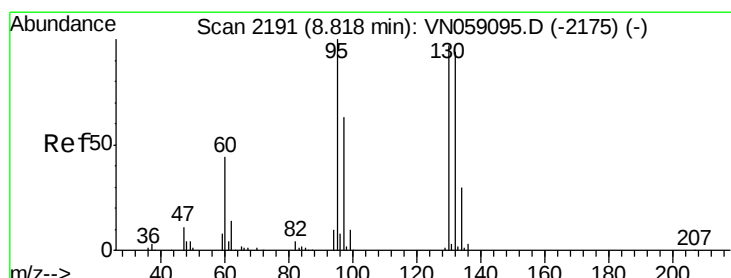
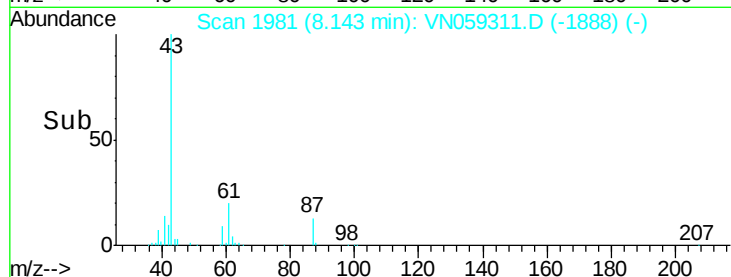
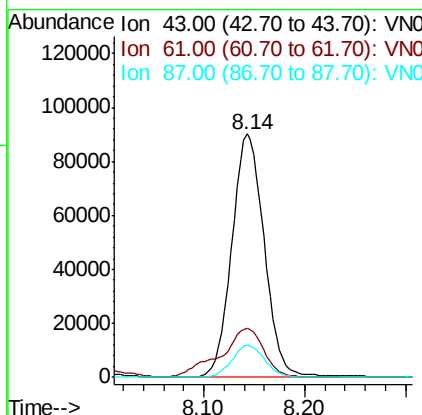
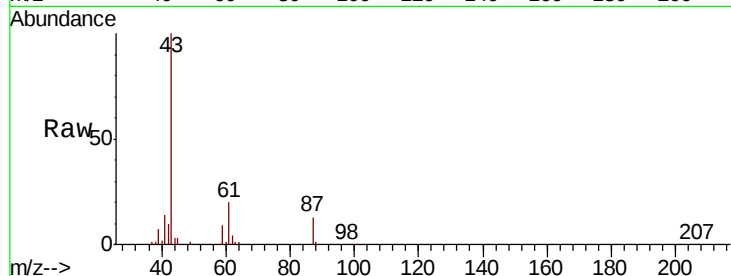
#43
Isopropyl Acetate
Concen: 19.738 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.0	31.6
87	13.5	9.8	14.6

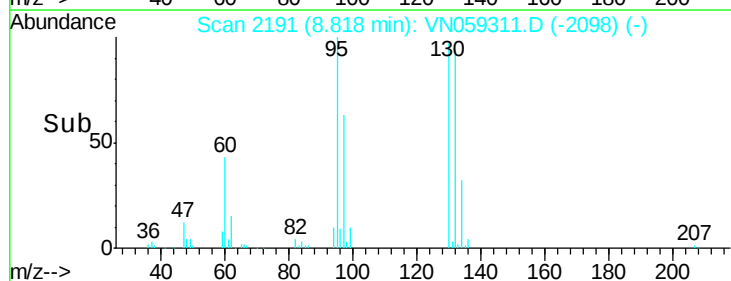
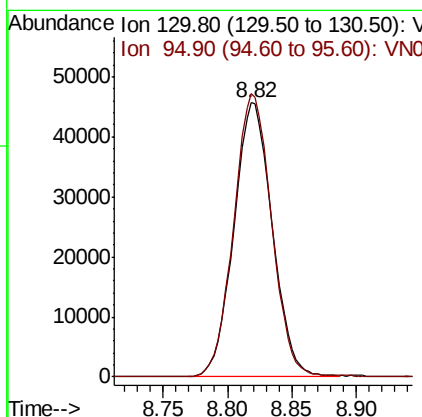
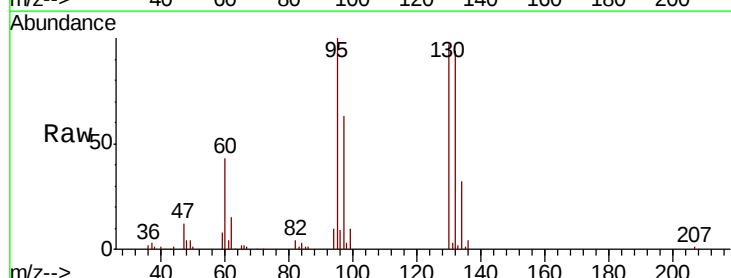
Manual Integrations
APPROVED

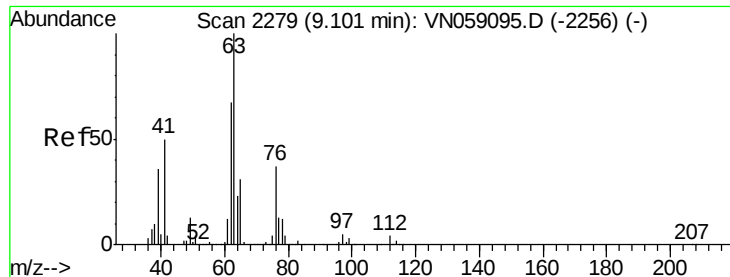
MMDadoda
11/20/2019 1:36:57 PM



#44
Trichloroethene
Concen: 22.418 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	206.4





#45

1,2-Dichloropropane

Concen: 21.539 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 63 Resp: 100571

Ion Ratio Lower Upper

63 100

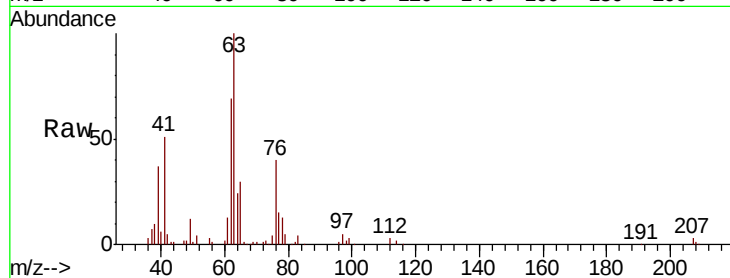
65 29.6 24.6 37.0

Manual Integrations

APPROVED

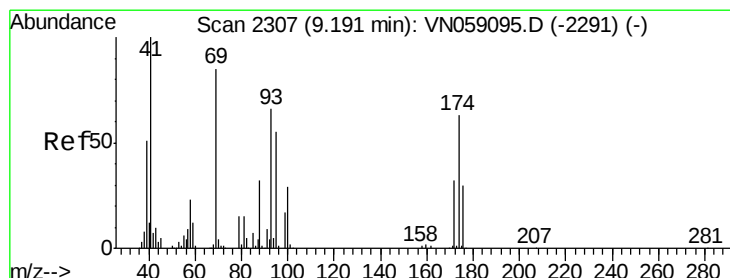
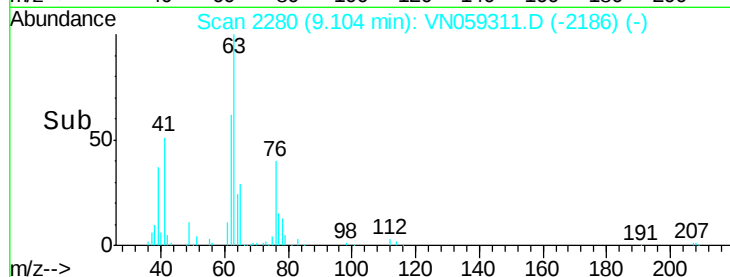
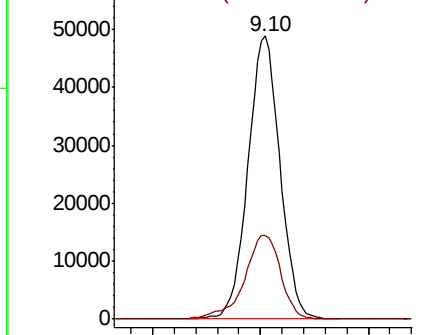
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 21.081 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

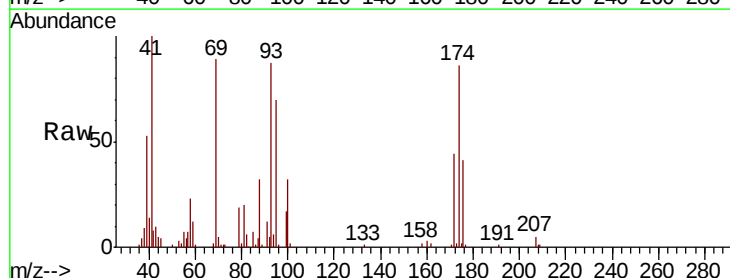
Tgt Ion: 93 Resp: 61338

Ion Ratio Lower Upper

93 100

95 83.3 66.6 100.0

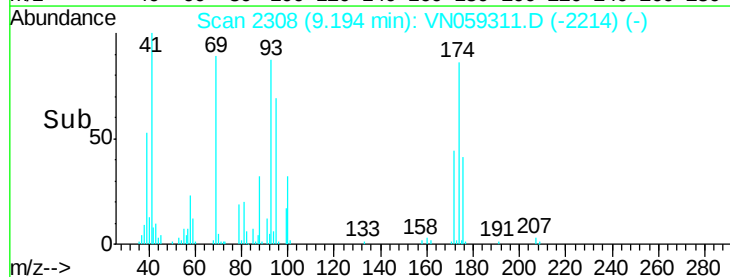
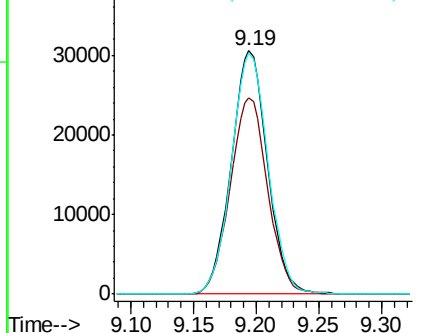
174 100.2 78.2 117.2

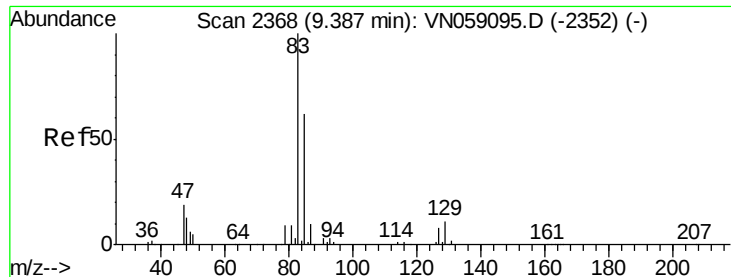


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





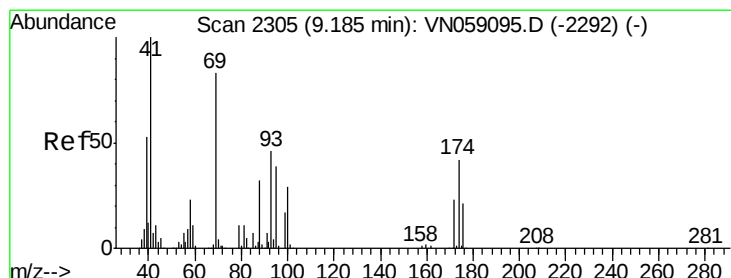
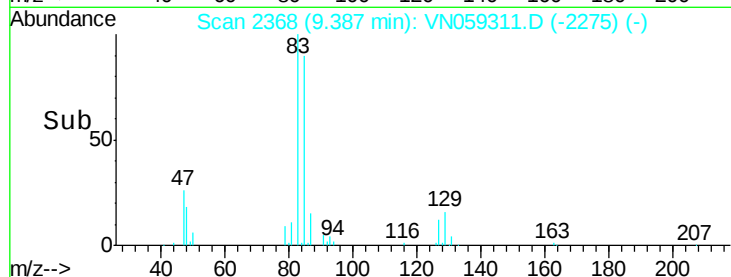
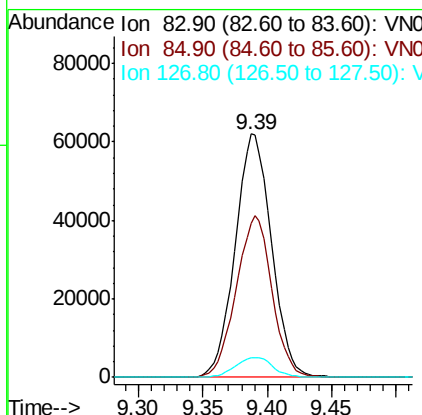
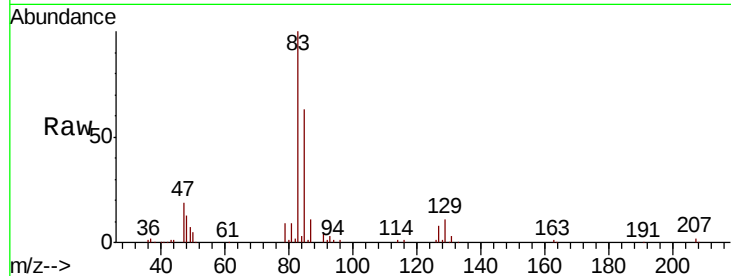
#47
Bromodichloromethane
Concen: 20.892 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.7	74.5
127	8.1	6.4	9.6

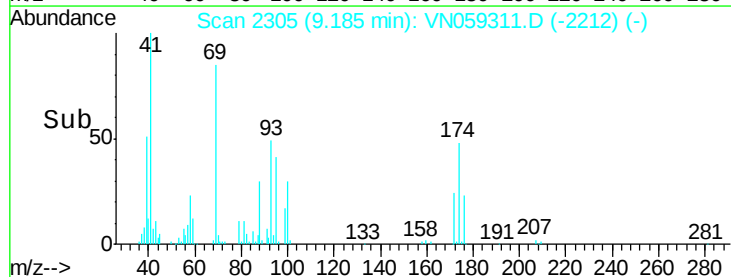
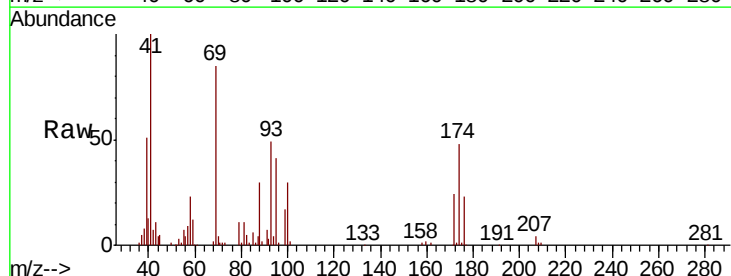
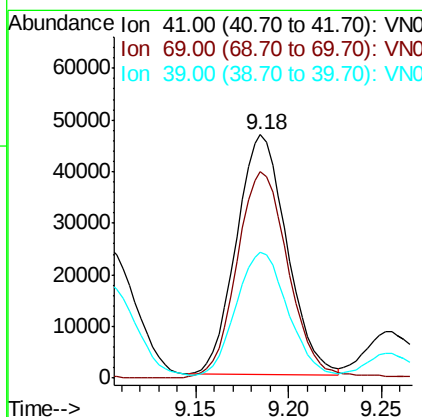
Manual Integrations
APPROVED

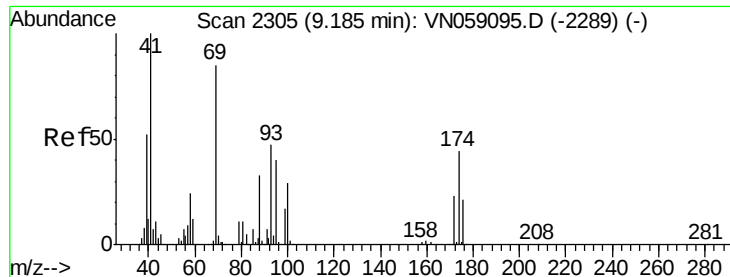
MMDadoda
11/20/2019 1:36:57 PM



#48
Methyl methacrylate
Concen: 19.532 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.5	67.3	100.9
39	51.7	43.3	64.9





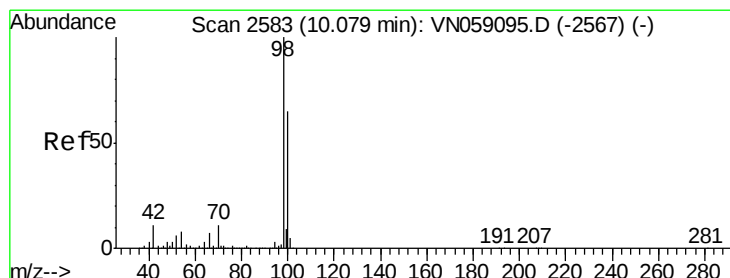
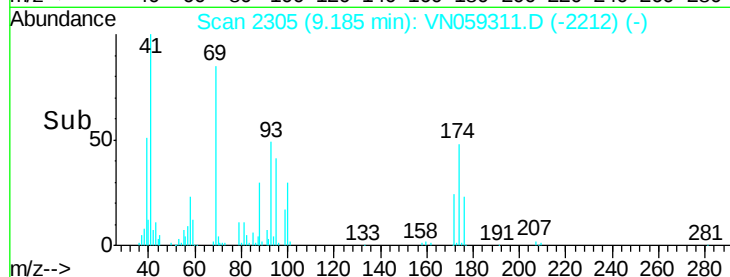
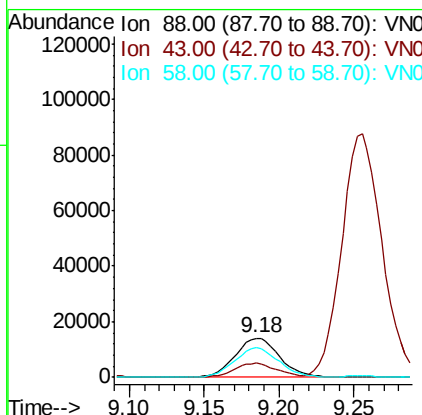
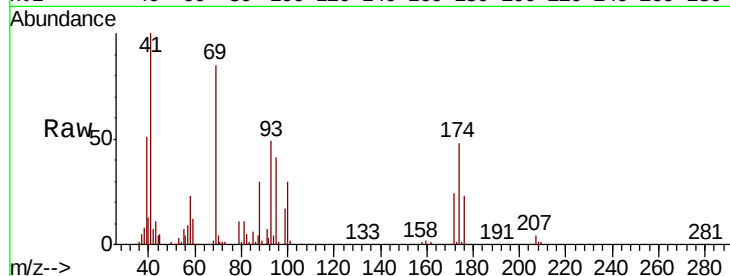
#49
1,4-Dioxane
Concen: 364.525 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	74.8	60.6	90.8

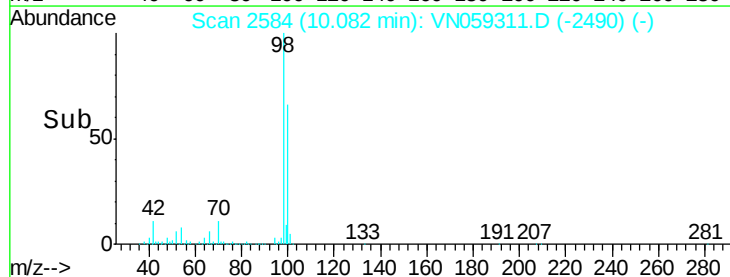
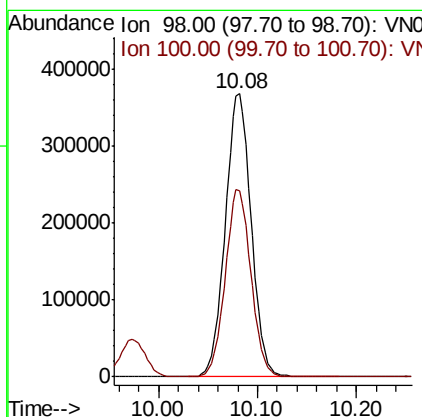
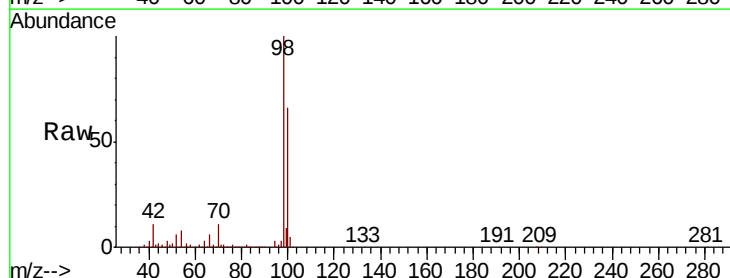
Manual Integrations
APPROVED

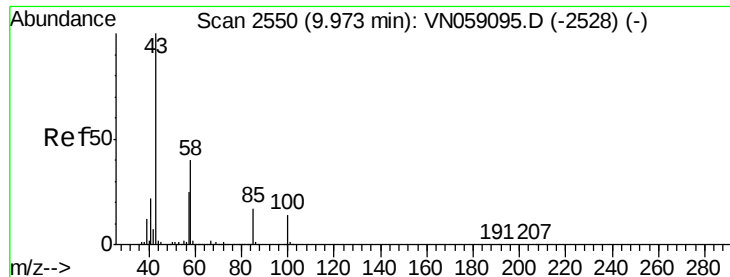
MMDadoda
11/20/2019 1:36:57 PM



#50
Toluene-d8
Concen: 47.104 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.2	78.2





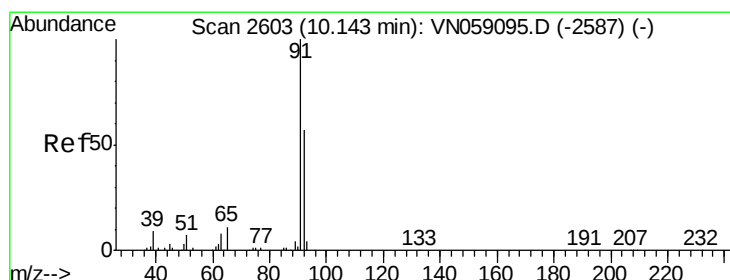
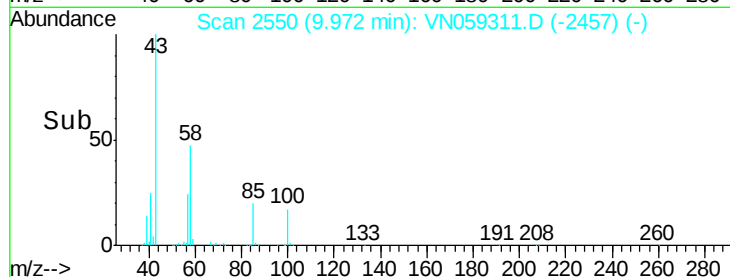
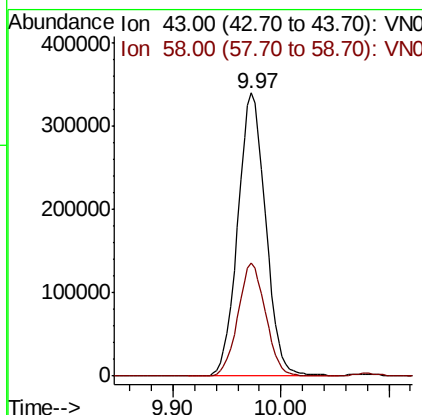
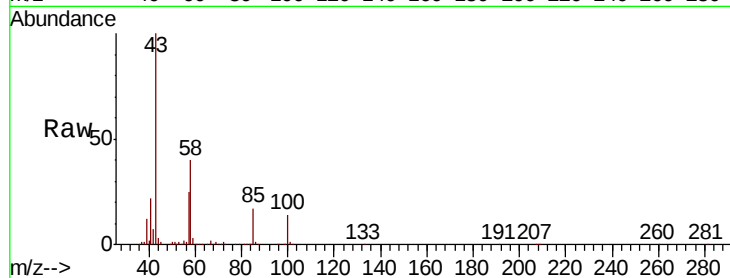
#51
4-Methyl-2-Pentanone
Concen: 106.855 ug/l
RT: 9.97 min Scan# 2550
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.5	47.3

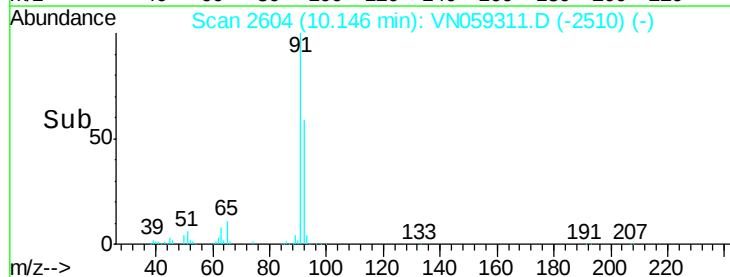
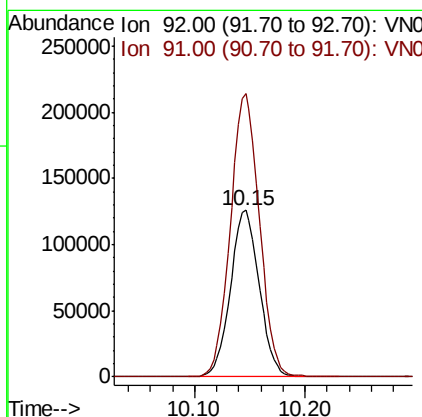
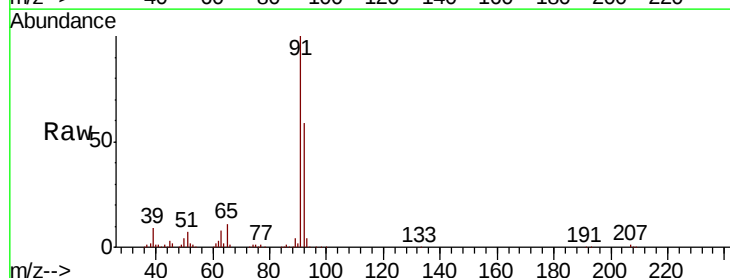
Manual Integrations
APPROVED

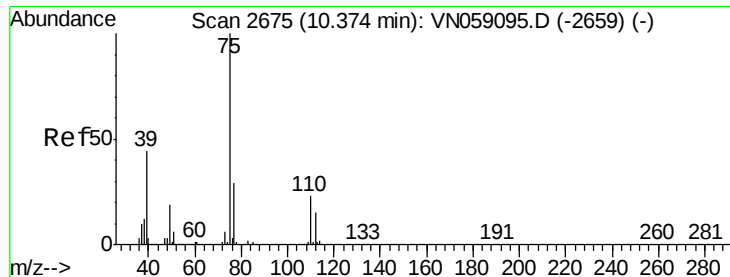
MMDadoda
11/20/2019 1:36:57 PM



#52
Toluene
Concen: 22.160 ug/l
RT: 10.15 min Scan# 2604
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.2	139.5	209.3





#53

t-1,3-Dichloropropene

Concen: 21.069 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 75 Resp: 141426

Ion Ratio Lower Upper

75 100

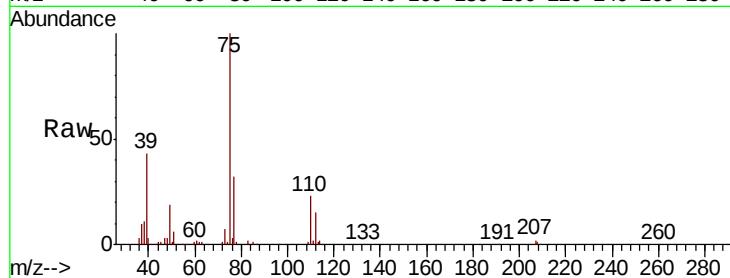
77 31.3 25.3 37.9

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

80000

60000

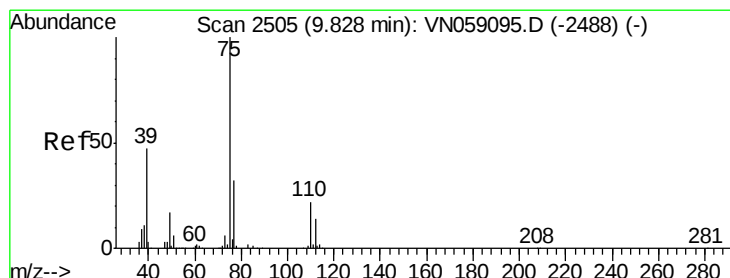
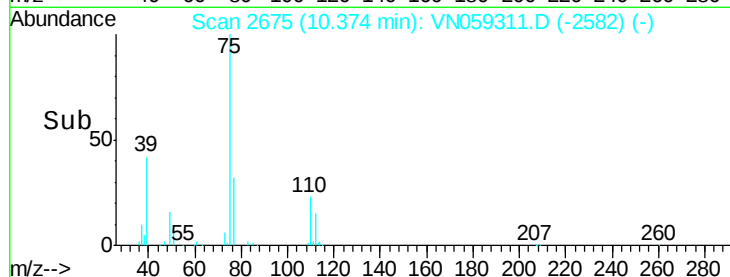
40000

20000

0

10.30 10.40 10.50

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.532 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

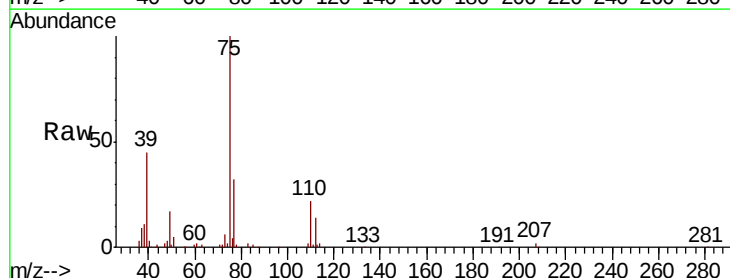
Tgt Ion: 75 Resp: 155473

Ion Ratio Lower Upper

75 100

77 32.0 25.5 38.3

39 45.2 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

60000

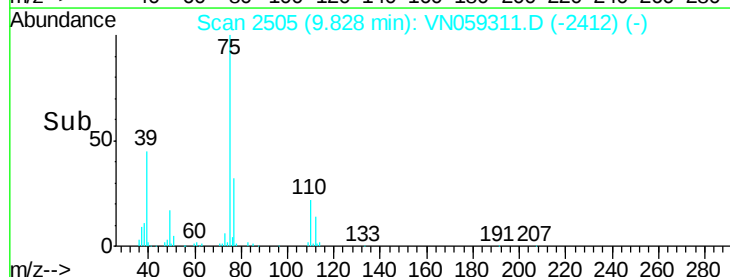
40000

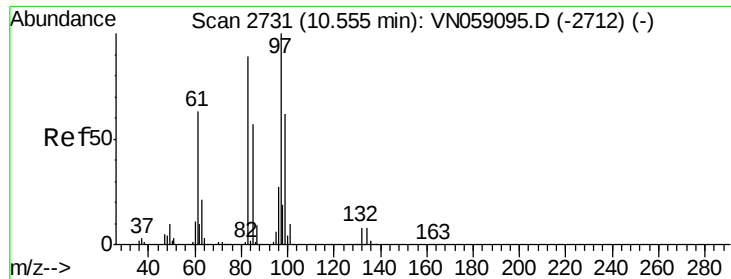
20000

0

9.75 9.80 9.85 9.90

Time-->





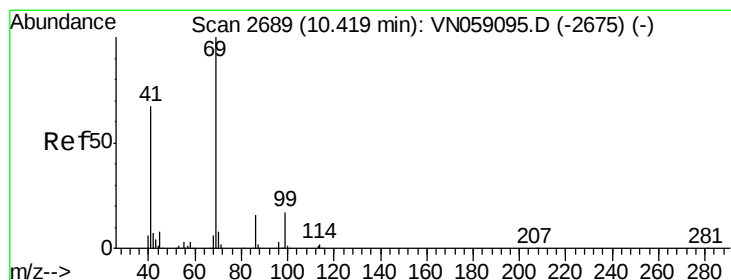
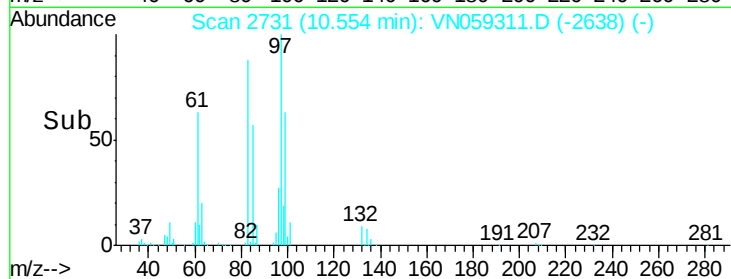
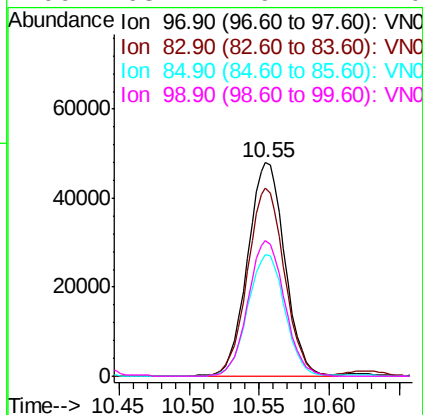
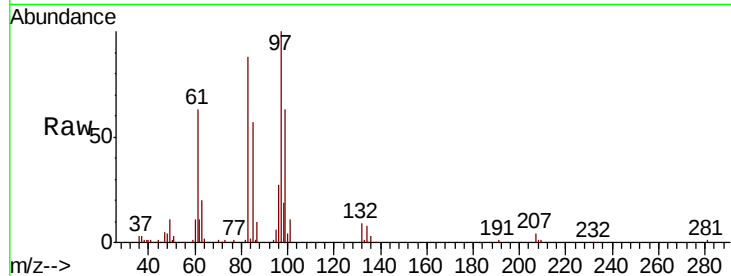
#55
 1,1,2-Trichloroethane
 Concen: 21.273 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion:	97	Resp:	88707
Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.0	106.4
85	56.9	45.8	68.8
99	63.4	49.4	74.0

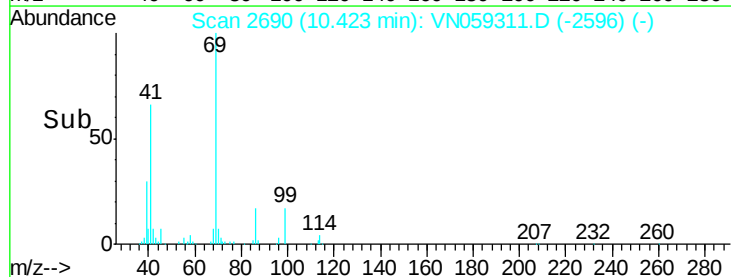
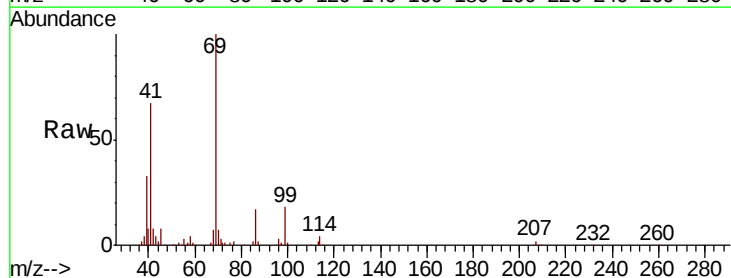
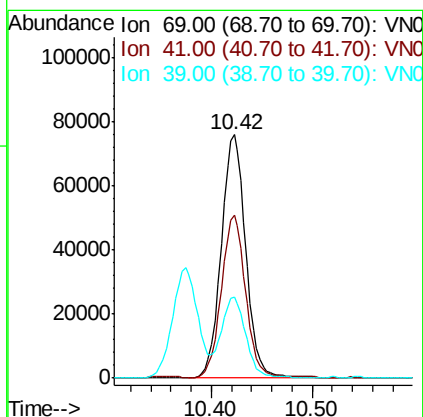
Manual Integrations
 APPROVED

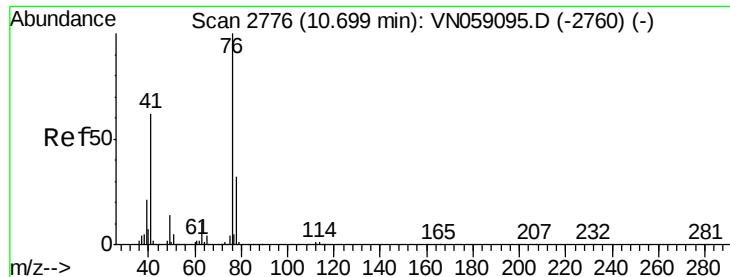
MMDadoda
 11/20/2019 1:36:57 PM



#56
 Ethyl methacrylate
 Concen: 19.715 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Tgt Ion:	69	Resp:	128919
Ion	Ratio	Lower	Upper
69	100		
41	65.5	53.6	80.4
39	32.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 21.321 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 76 Resp: 153017

Ion Ratio Lower Upper

76 100

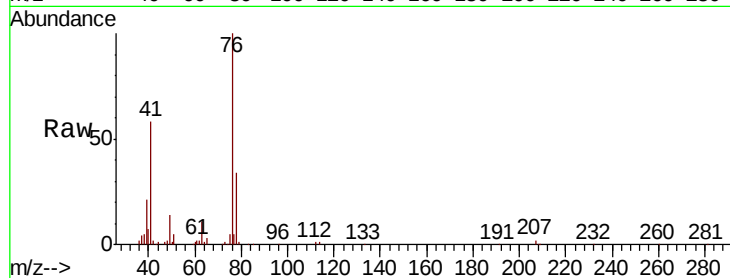
78 33.0 25.8 38.8

Manual Integrations

APPROVED

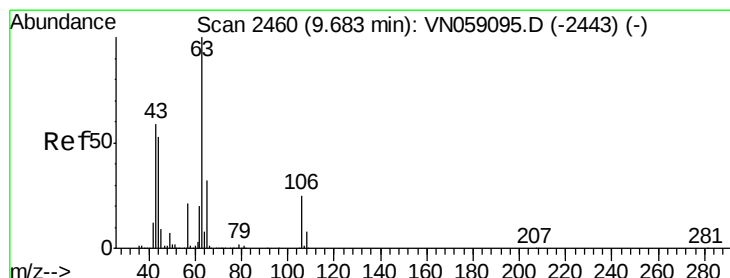
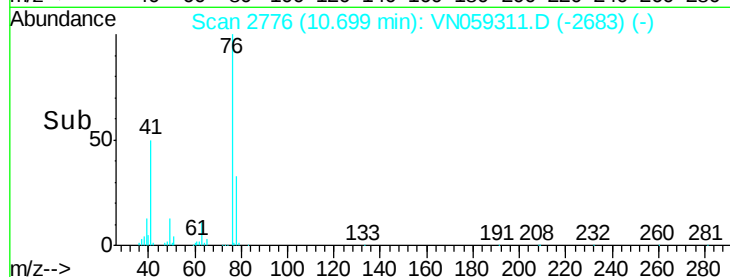
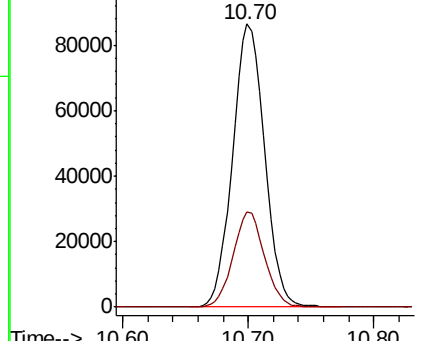
MMDadoda

11/20/2019 1:36:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 94.373 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059311.D

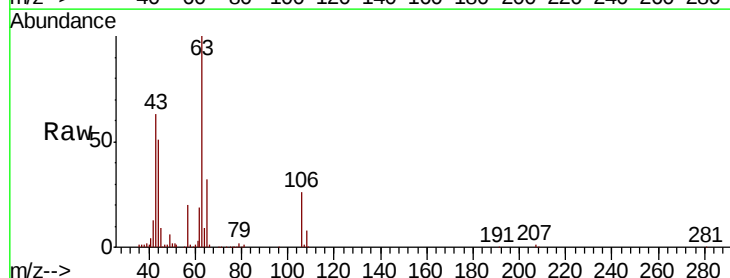
Acq: 19 Nov 2019 17:36

Tgt Ion: 63 Resp: 219007

Ion Ratio Lower Upper

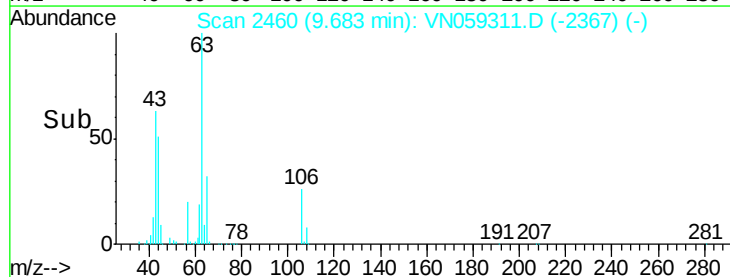
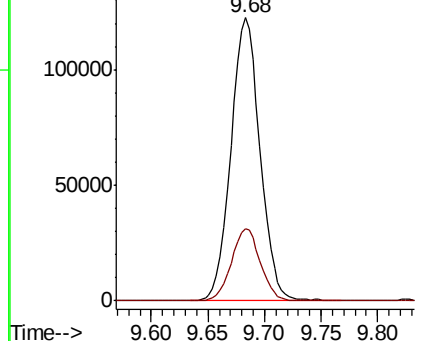
63 100

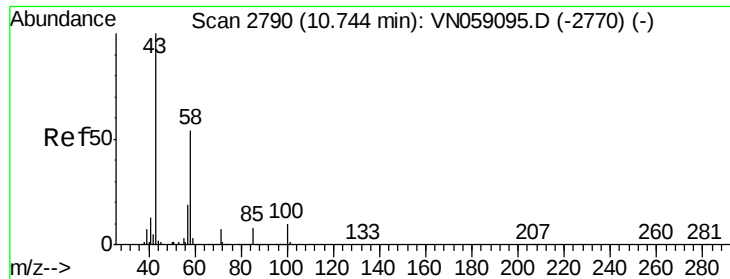
106 25.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





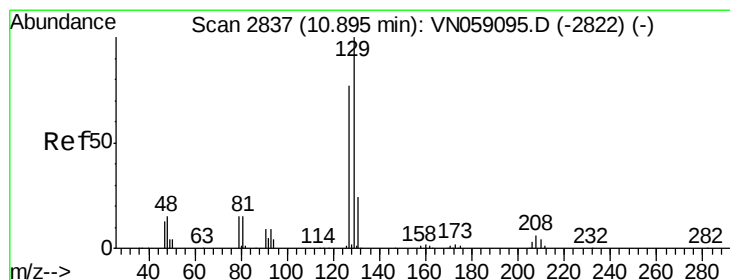
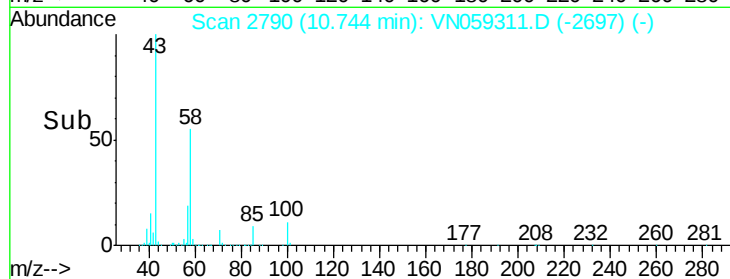
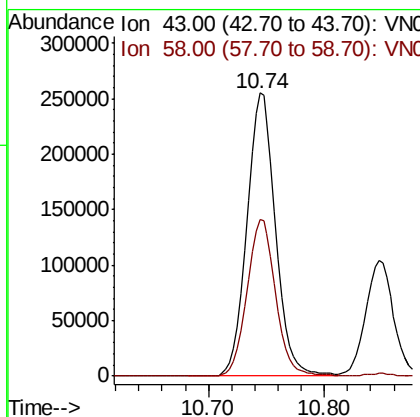
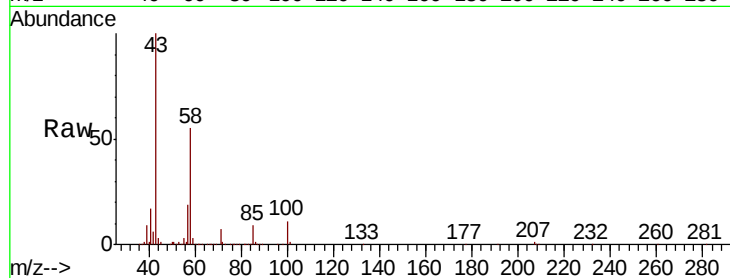
#59
2-Hexanone
Concen: 99.605 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 43 Resp: 437961
Ion Ratio Lower Upper
43 100
58 55.5 27.3 81.8

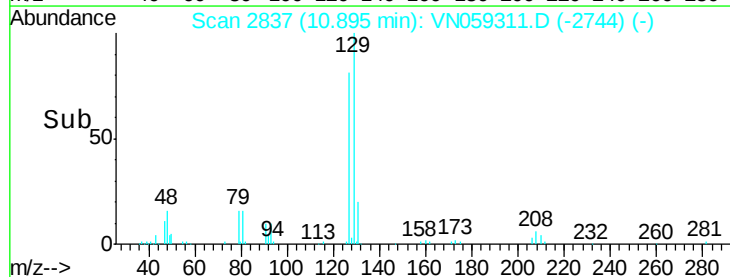
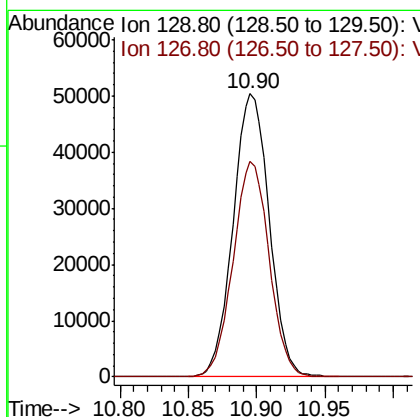
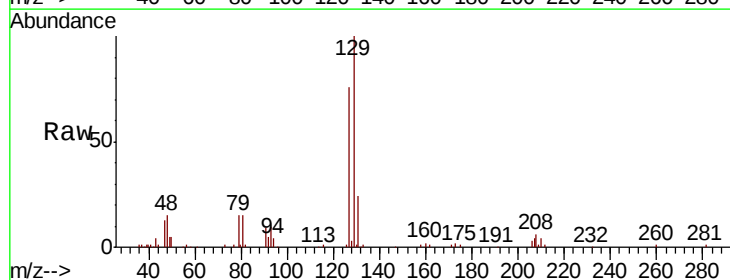
Manual Integrations
APPROVED

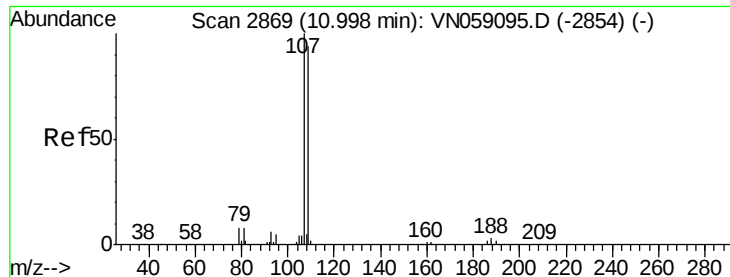
MMDadoda
11/20/2019 1:36:57 PM



#60
Dibromochloromethane
Concen: 21.081 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion: 129 Resp: 92940
Ion Ratio Lower Upper
129 100
127 75.6 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.305 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 107 Resp: 89935

Ion Ratio Lower Upper

107 100

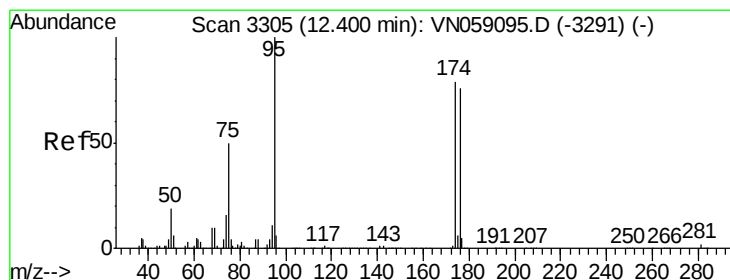
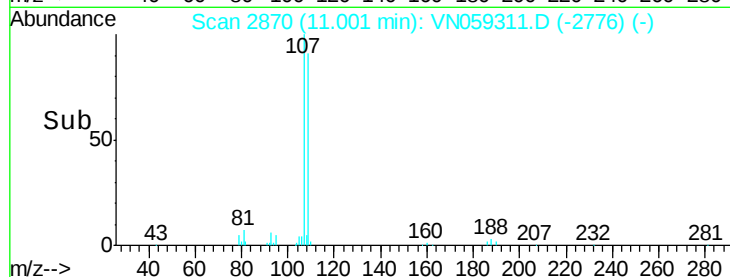
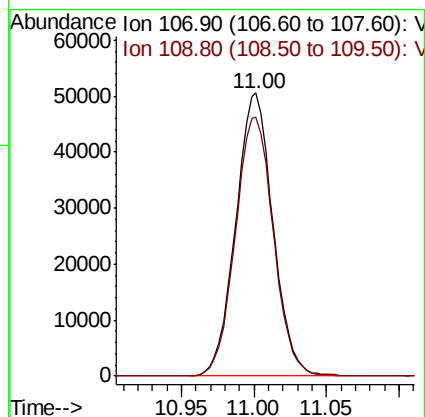
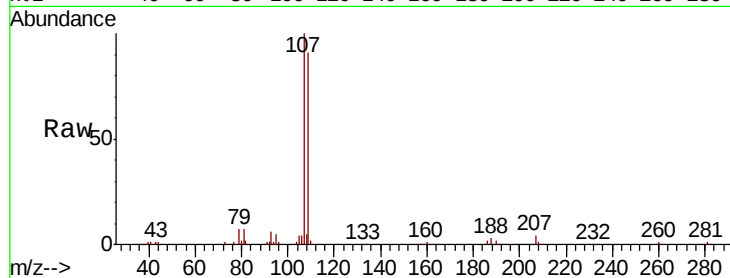
109 93.8 75.5 113.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 48.676 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

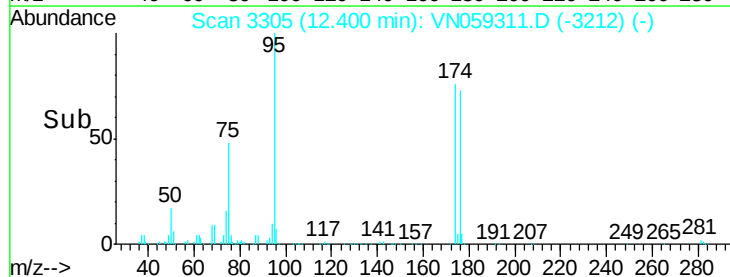
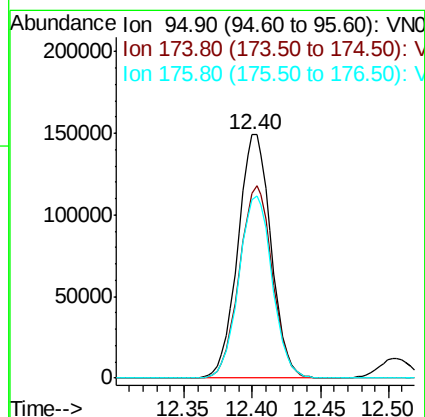
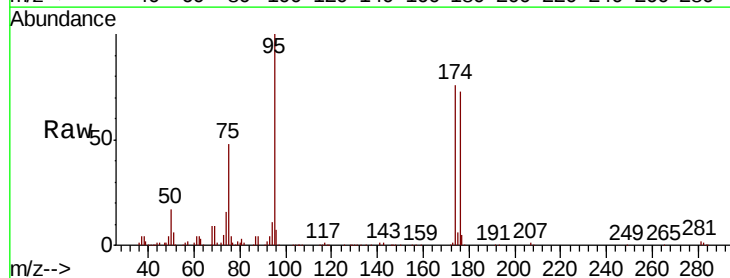
Tgt Ion: 95 Resp: 252097

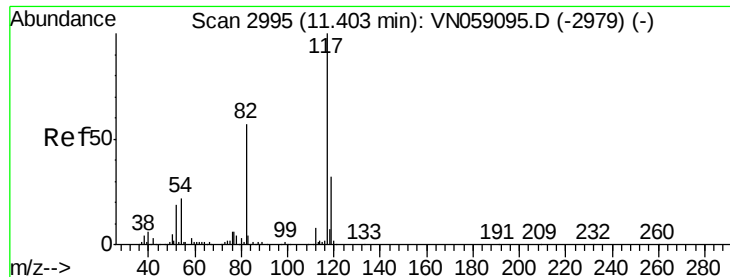
Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.2

176 75.2 0.0 151.8





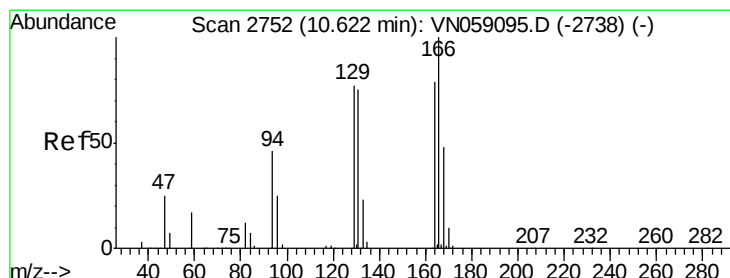
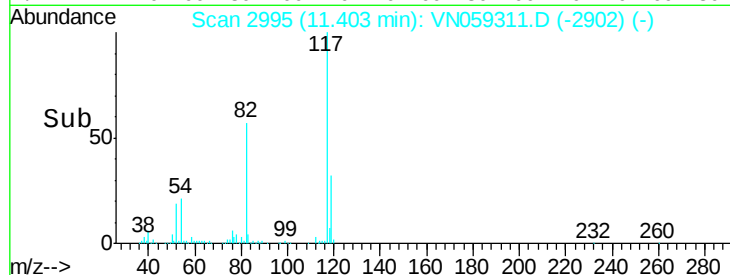
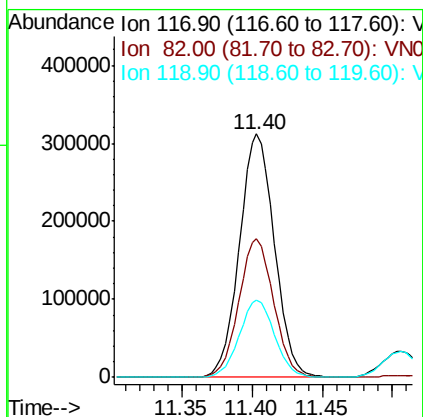
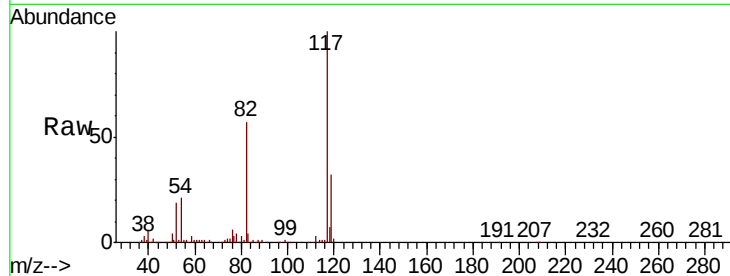
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.8	68.8
119	31.9	25.8	38.6

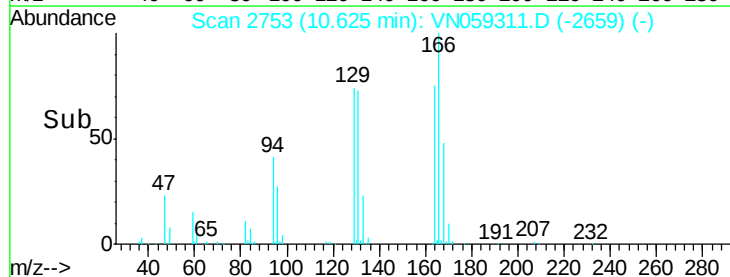
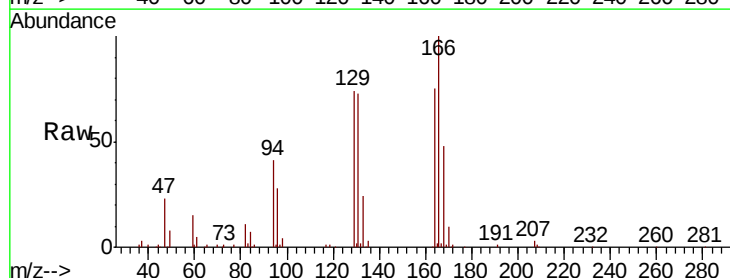
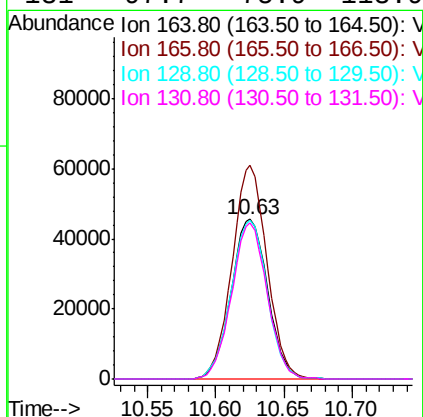
Manual Integrations
APPROVED

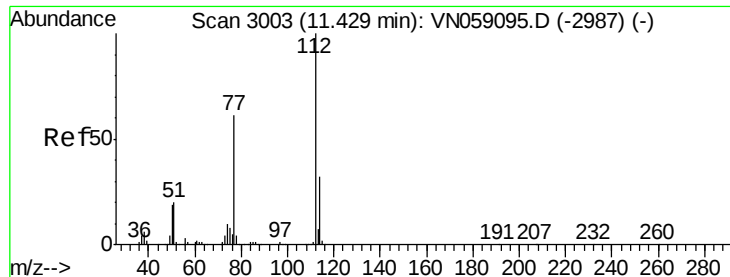
MMDadoda
11/20/2019 1:36:57 PM



#64
Tetrachloroethene
Concen: 22.989 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.6	101.5	152.3
129	99.5	78.3	117.5
131	97.7	75.9	113.9





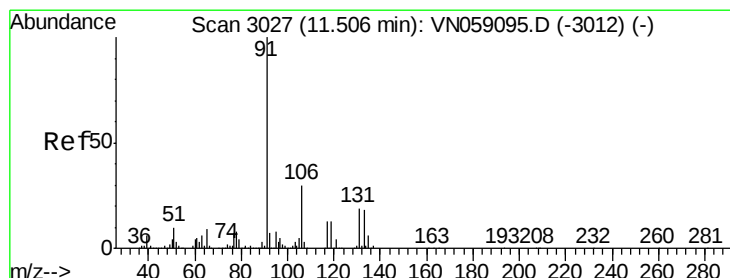
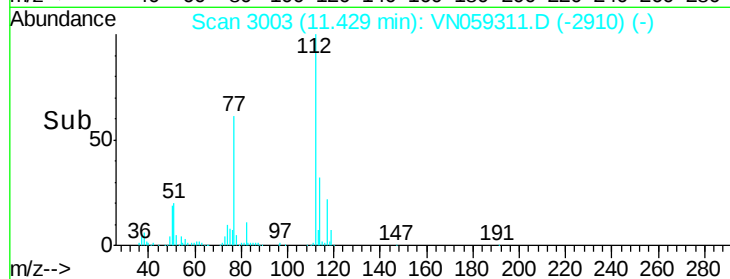
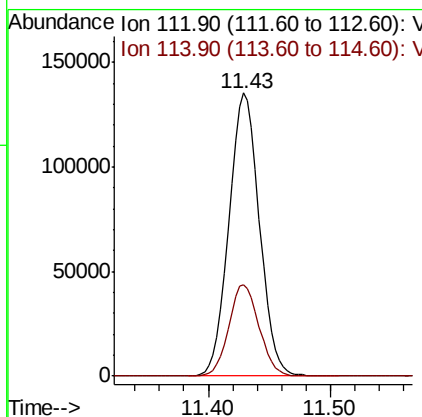
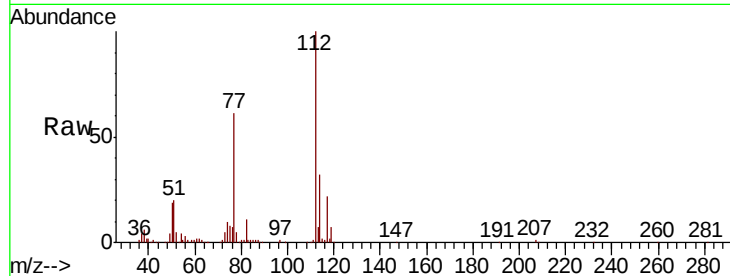
#65
Chlorobenzene
Concen: 22.276 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion:112 Resp: 235692
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8

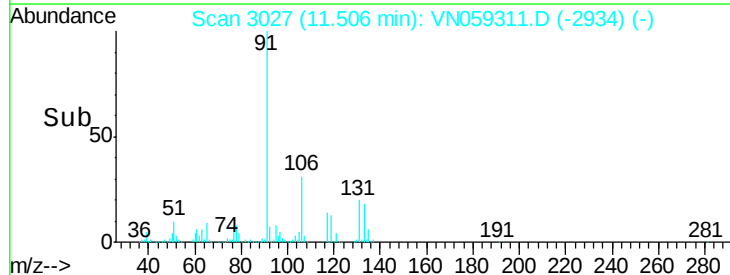
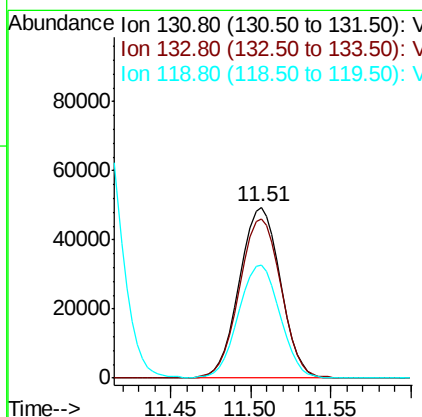
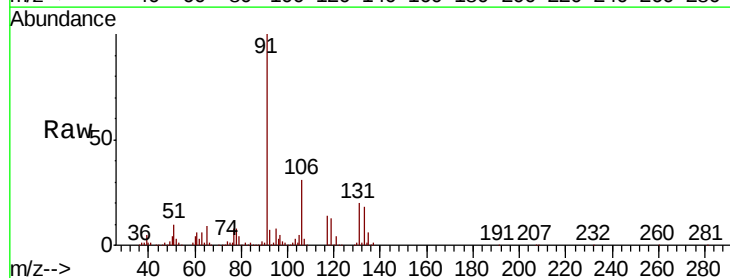
Manual Integrations
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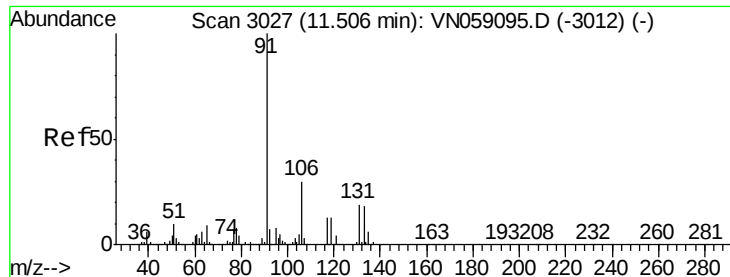
MMDadoda
11/20/2019 1:36:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.831 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion:131 Resp: 86647
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 67.0 33.2 99.6





#67

Ethyl Benzene

Concen: 22.684 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion: 91 Resp: 425832

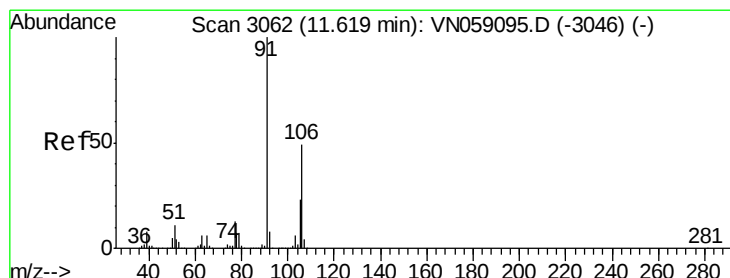
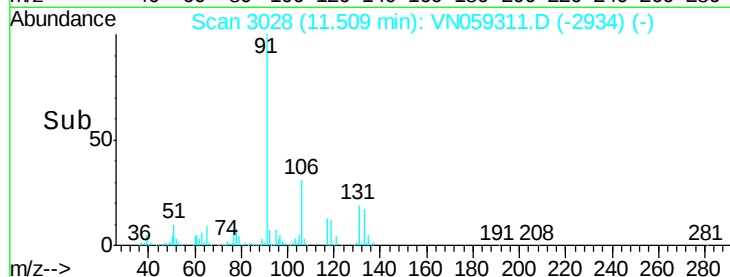
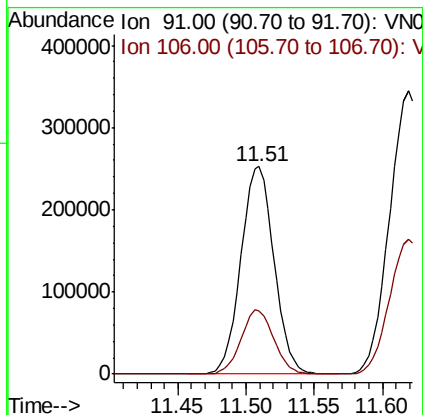
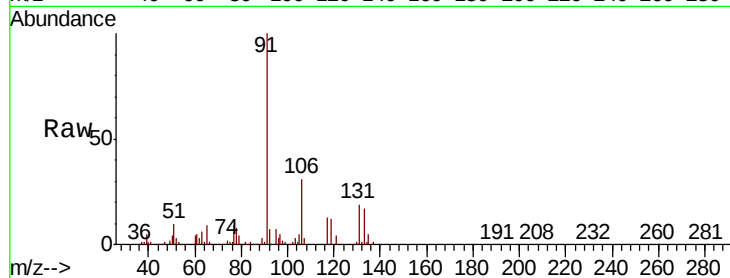
Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1

Manual Integrations
APPROVED

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11/20/2019 1:36:57 PM



#68

m/p-Xylenes

Concen: 44.588 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059311.D

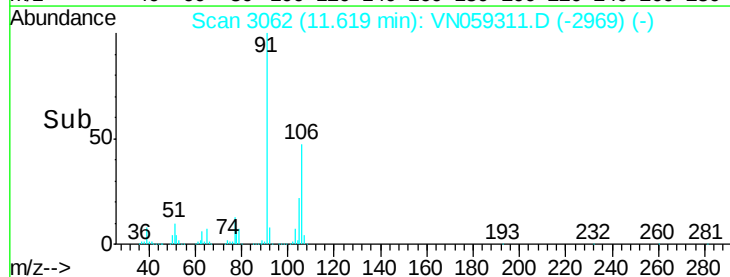
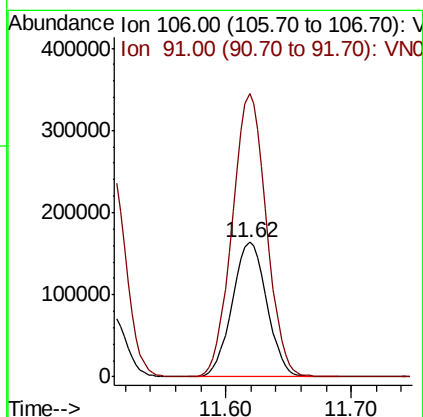
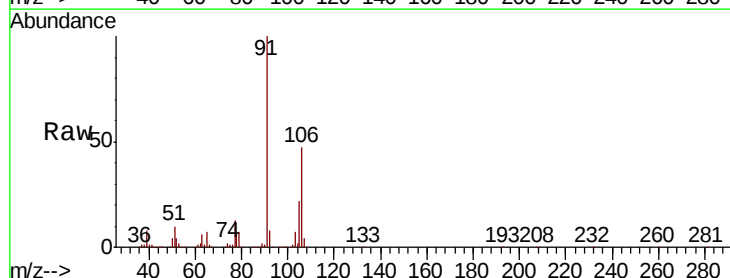
Acq: 19 Nov 2019 17:36

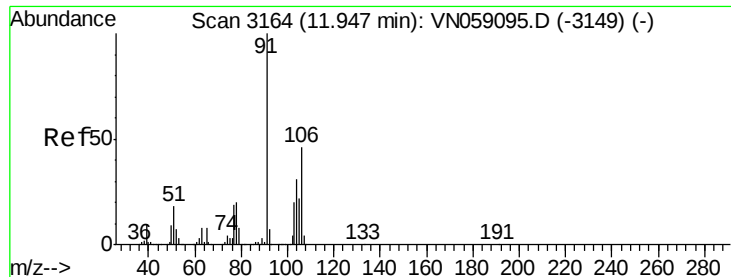
Tgt Ion: 106 Resp: 313538

Ion Ratio Lower Upper

106 100

91 207.5 164.7 247.1





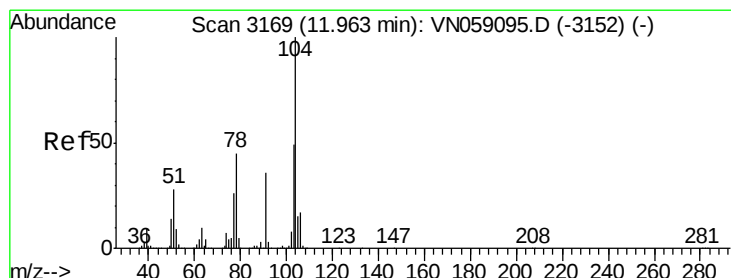
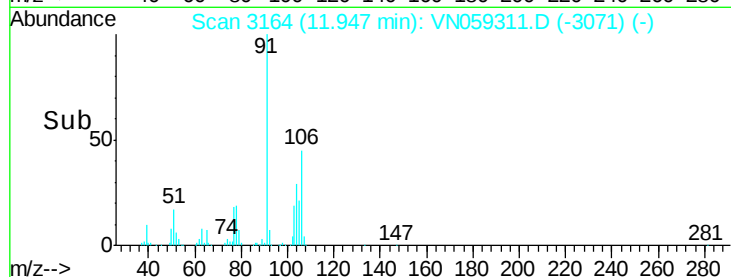
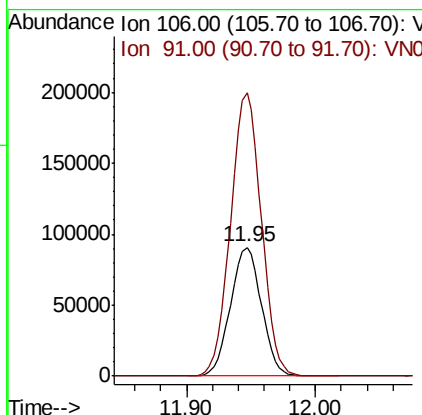
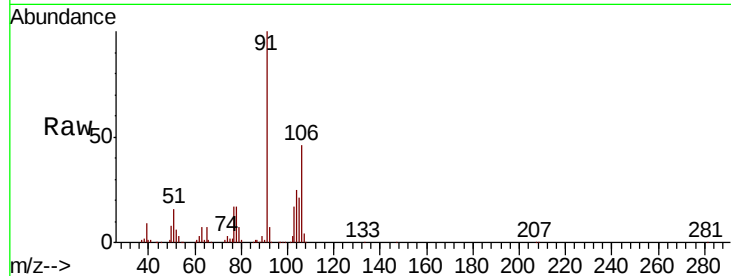
#69
o-Xylene
Concen: 22.293 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	218.6	110.1	330.3	

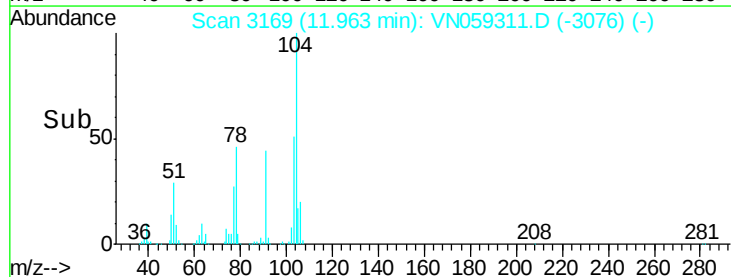
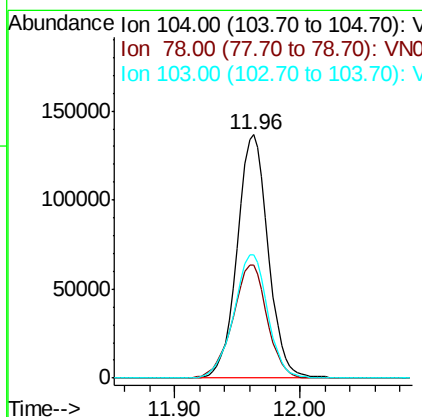
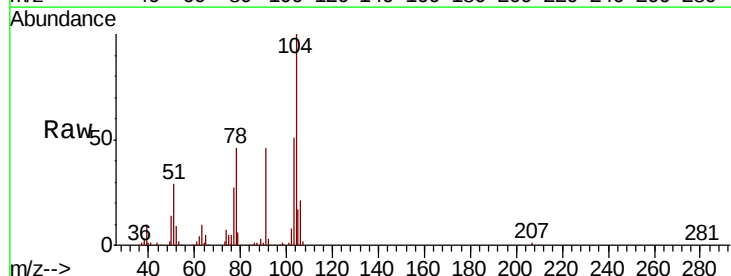
Manual Integrations
APPROVED

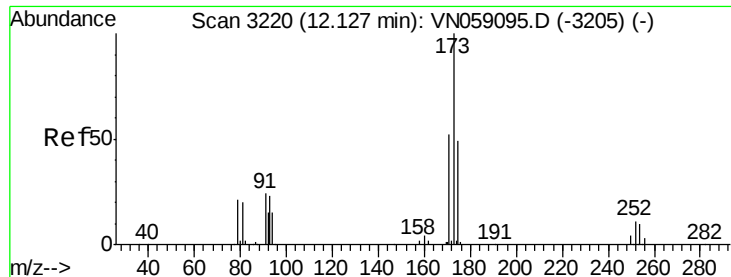
MMDadoda
11/20/2019 1:36:57 PM



#70
Styrene
Concen: 21.968 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	51.3	41.2	61.8	
103	55.6	43.8	65.6	





#71

Bromoform

Concen: 20.826 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

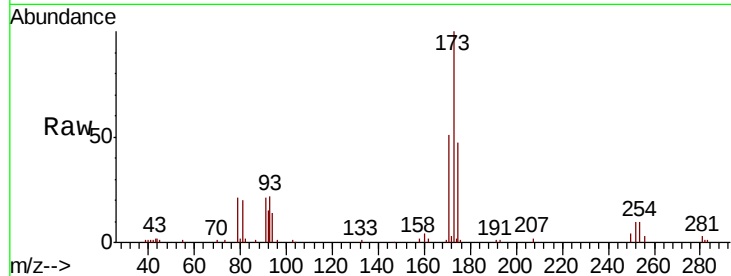
ClientSampleId :

VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.0	0.1	0.1

Manual Integrations
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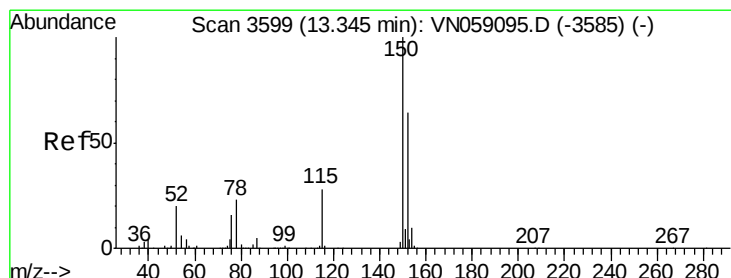
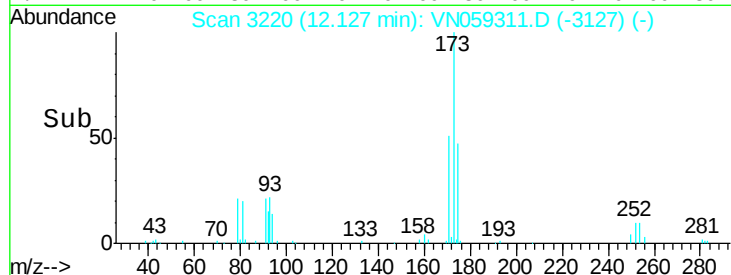
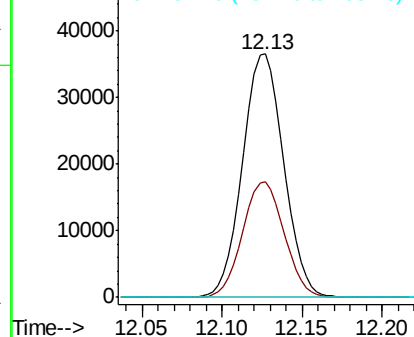


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

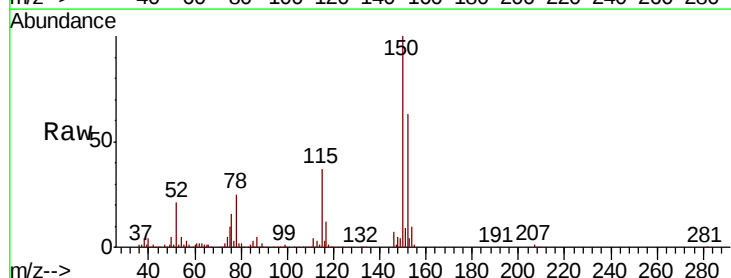
RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.4	88.2
150	162.7	0.0	345.8

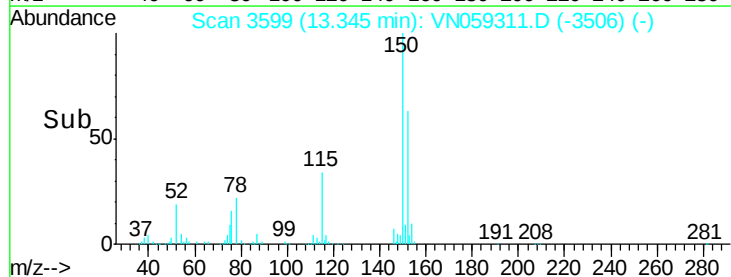
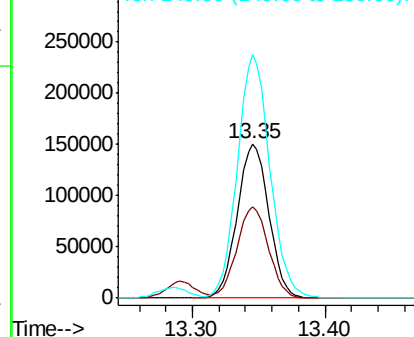


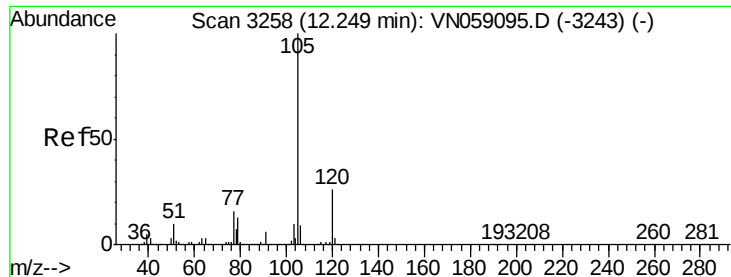
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





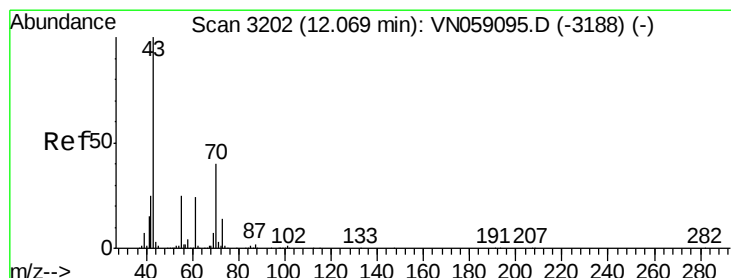
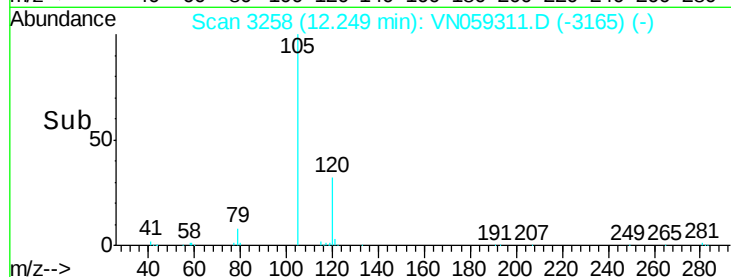
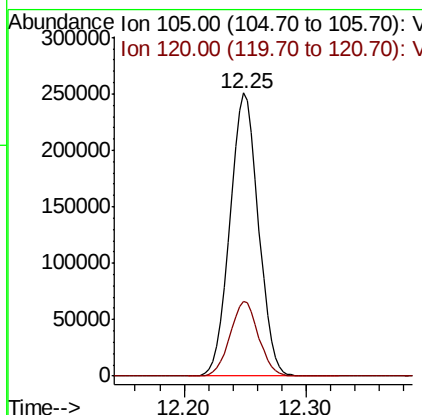
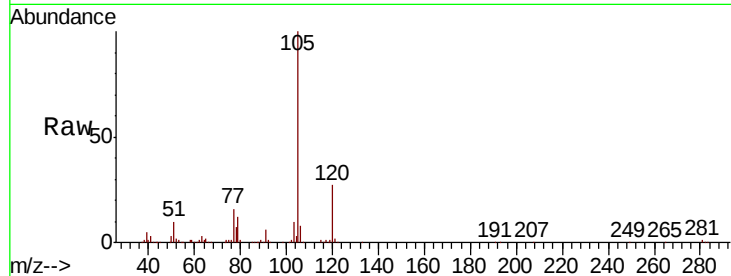
#73
Isopropylbenzene
Concen: 22.515 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.1	39.3

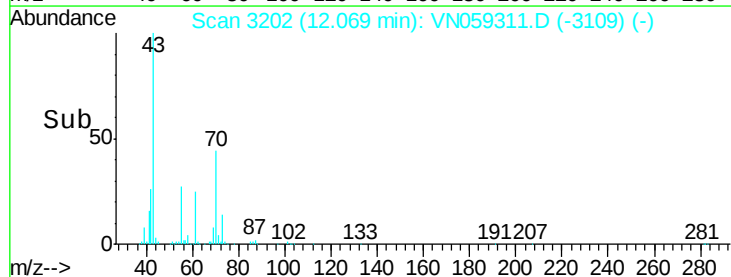
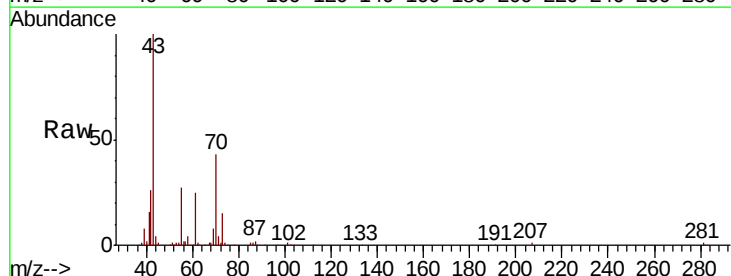
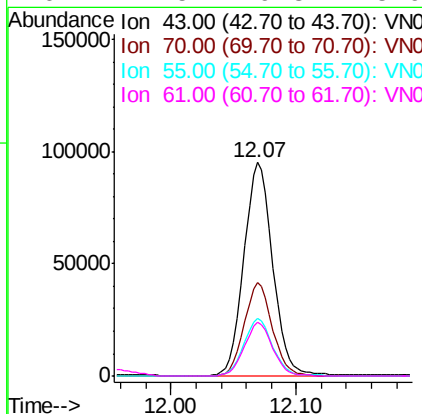
Manual Integrations
APPROVED

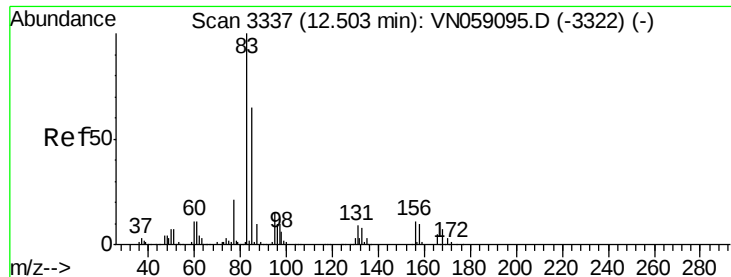
MMDadoda
11/20/2019 1:36:57 PM



#74
N-ethyl acetate
Concen: 19.788 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	32.2	48.4
55	27.2	20.4	30.6
61	24.5	19.3	28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.796 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

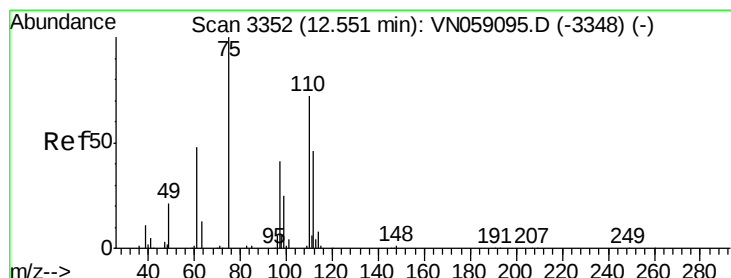
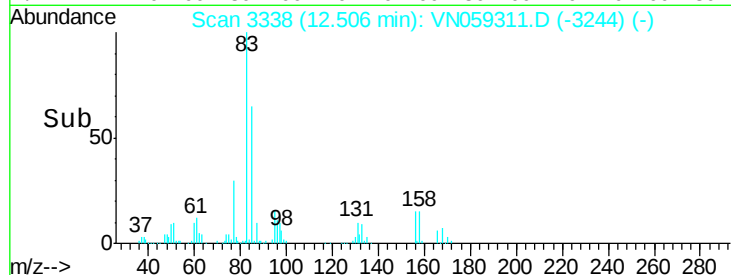
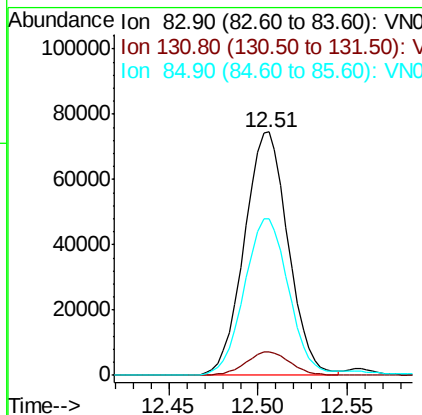
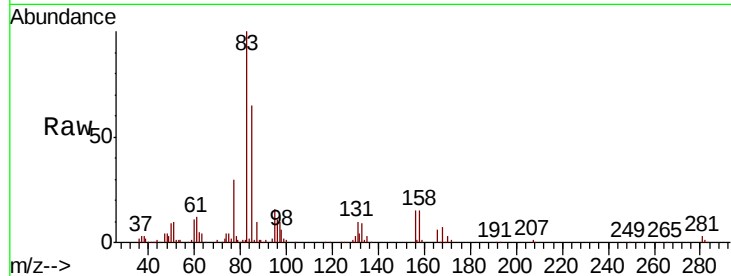
ClientSampleId :

VN1119WBSD04

Tot Ion:	83	Resp:	128350
Ion Ratio		Lower	Upper
83	100		
131	9.9	4.9	14.6
85	65.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.735 ug/l m

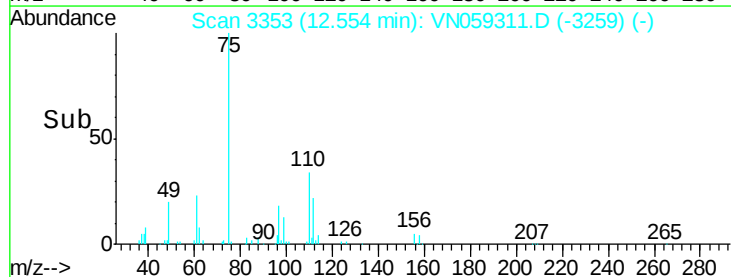
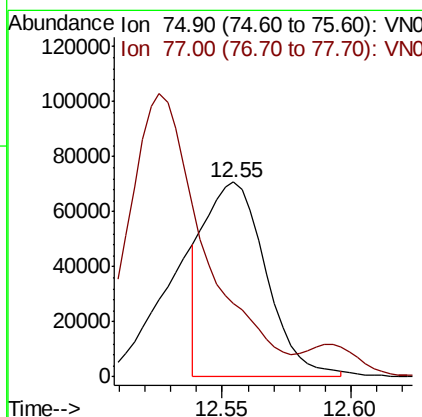
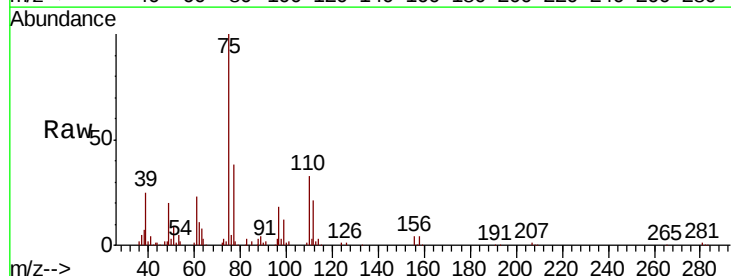
RT: 12.55 min Scan# 3353

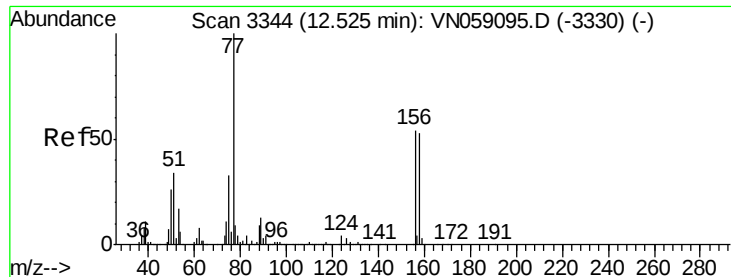
Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion:	75	Resp:	117613
Ion Ratio		Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.499 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

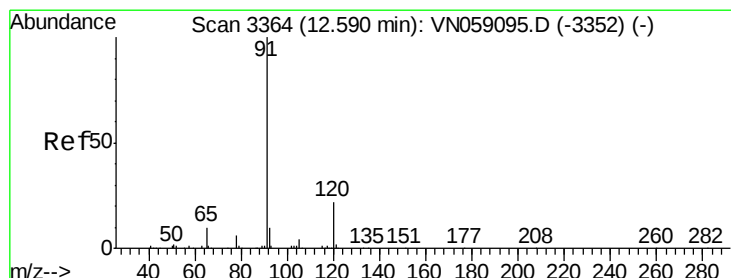
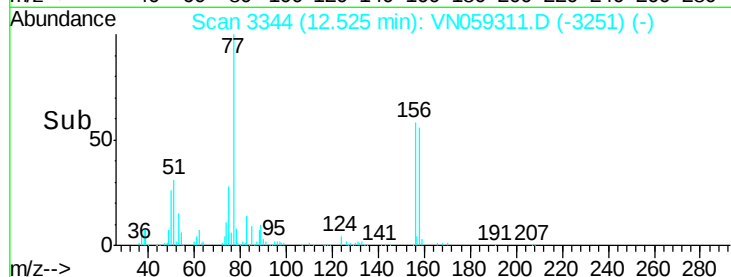
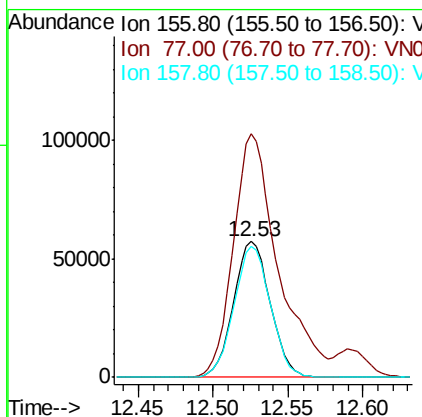
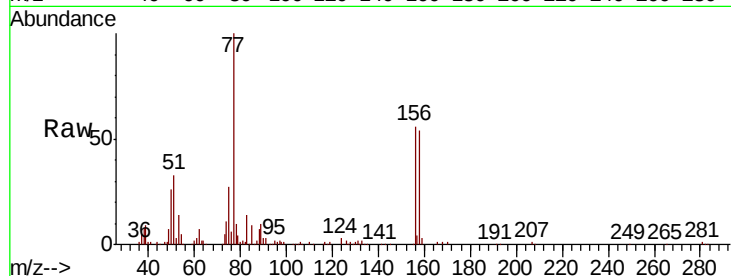
ClientSampleId :

VN1119WBSD04

Tot Ion:	156	Resp:	97893
Ion	Ratio	Lower	Upper
156	100		
77	218.2	112.8	338.3
158	96.1	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 22.543 ug/l

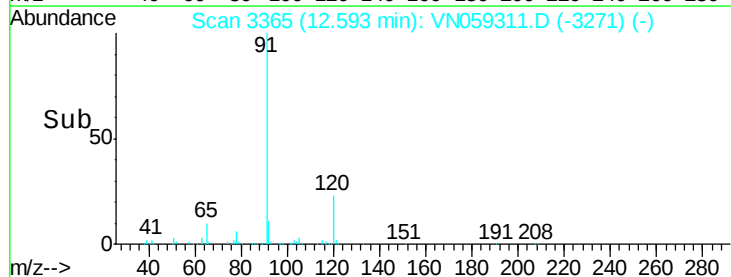
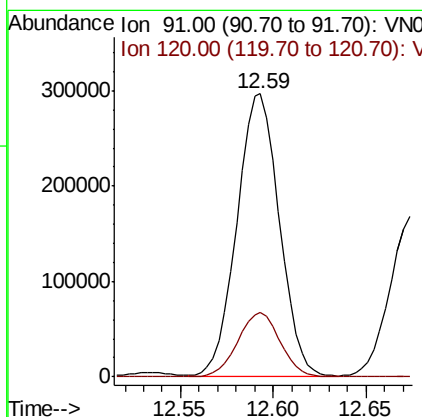
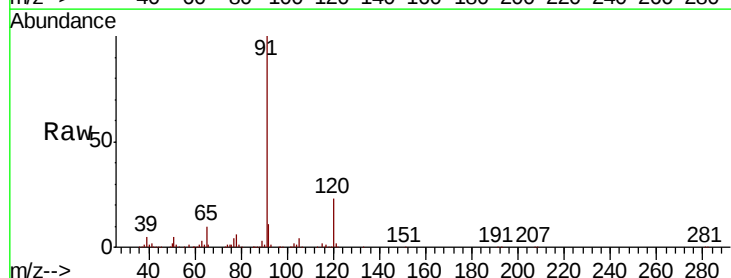
RT: 12.59 min Scan# 3365

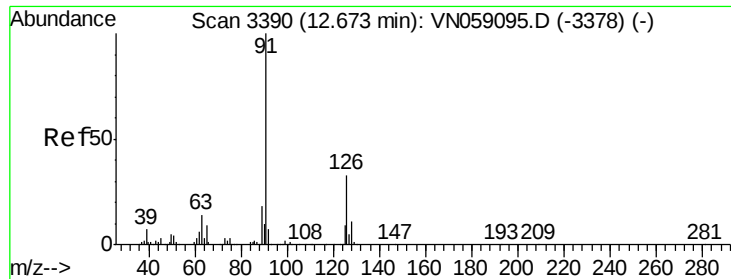
Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion:	91	Resp:	467794
Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.2	33.5





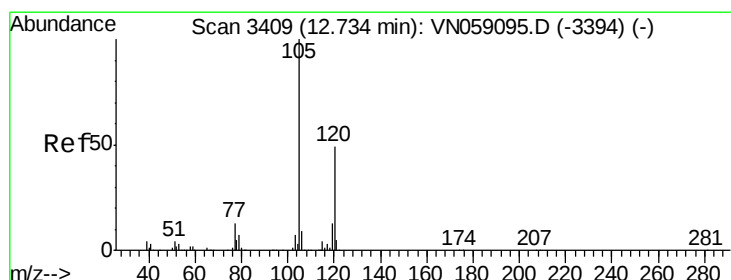
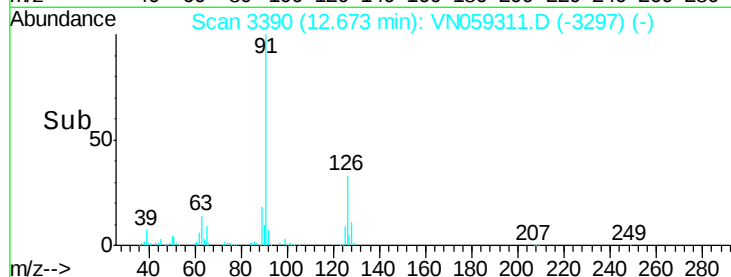
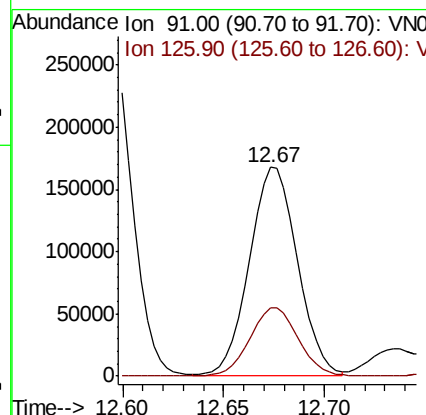
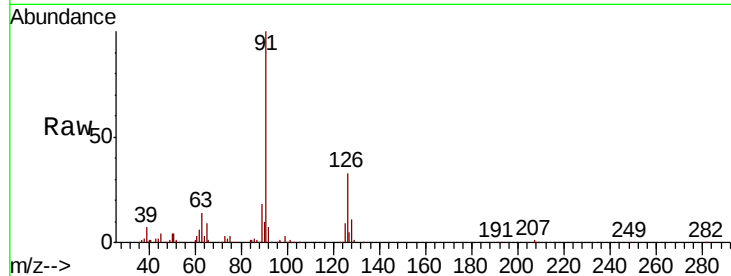
#79
2-Chlorotoluene
Concen: 21.592 ug/l
RT: 12.67 min Scan# 3390
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion: 91 Resp: 277956
Ion Ratio Lower Upper
91 100
126 33.4 16.7 50.1

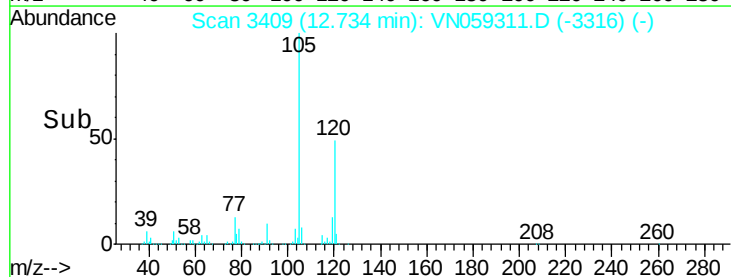
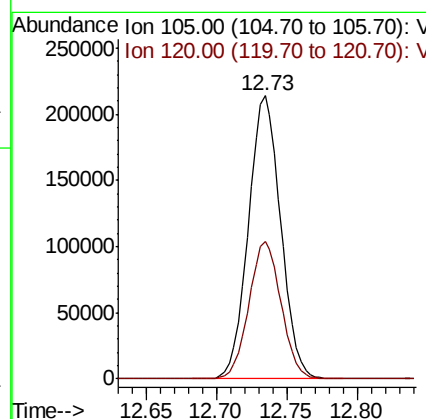
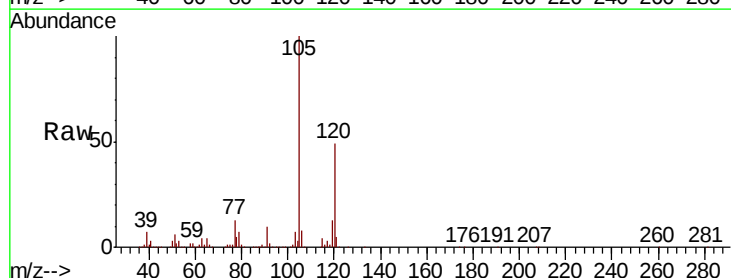
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APPROVED

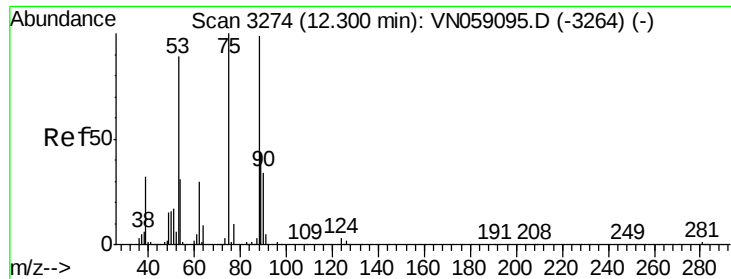
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#80
1,3,5-Trimethylbenzene
Concen: 22.254 ug/l
RT: 12.73 min Scan# 3409
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion: 105 Resp: 341743
Ion Ratio Lower Upper
105 100
120 48.7 24.0 72.0





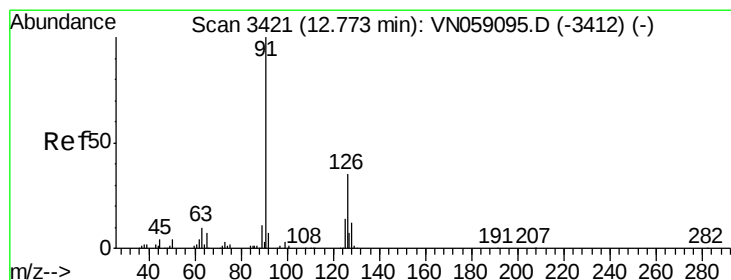
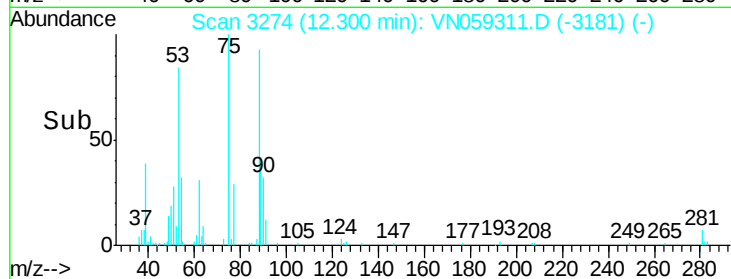
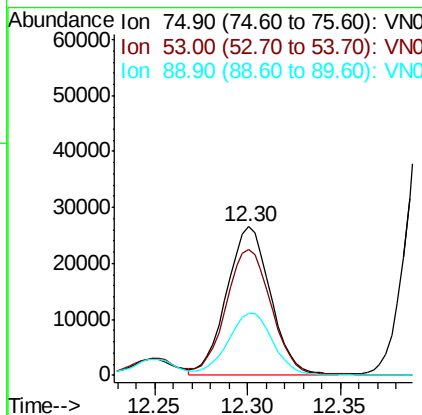
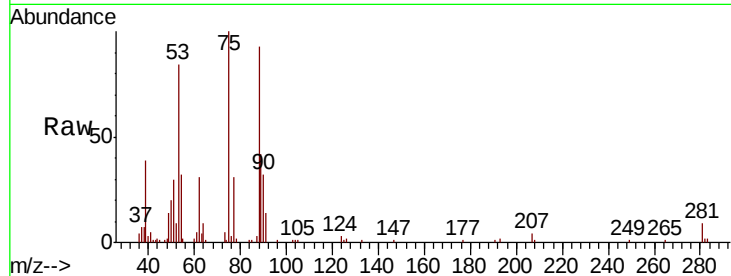
#81
trans-1,4-Dichloro-2-butene
Concen: 20.310 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.2	72.2	108.2
89	42.8	35.8	53.8

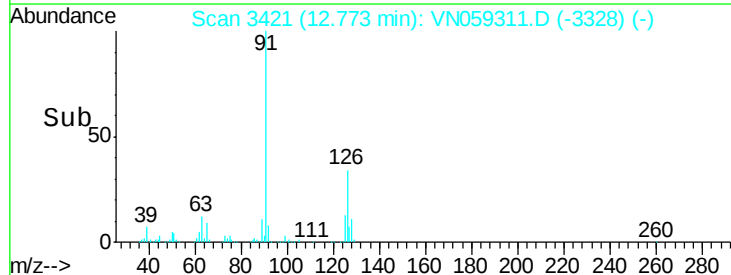
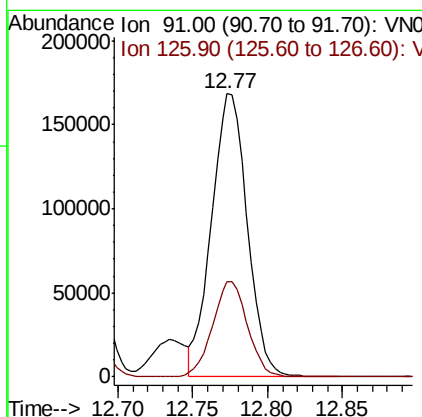
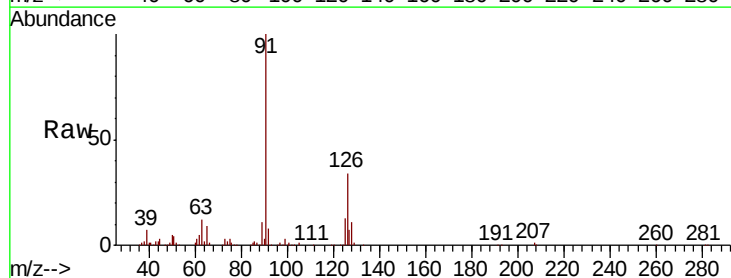
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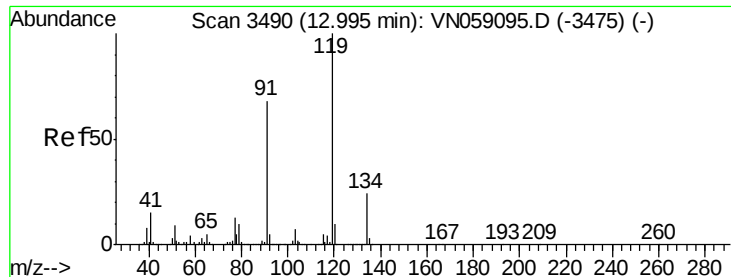
MMDadoda
11/20/2019 1:36:57 PM



#82
4-Chlorotoluene
Concen: 21.618 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.1	48.2





#83

tert-Butylbenzene

Concen: 21.904 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

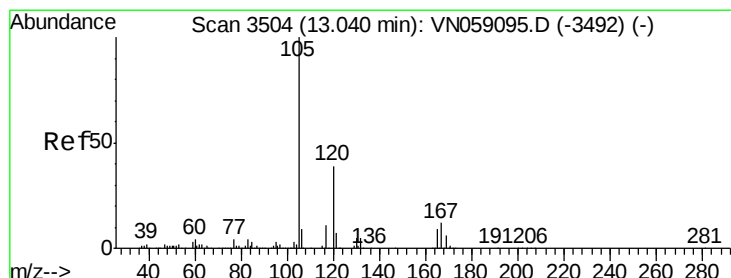
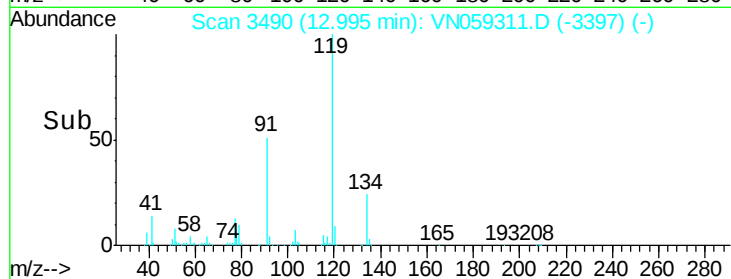
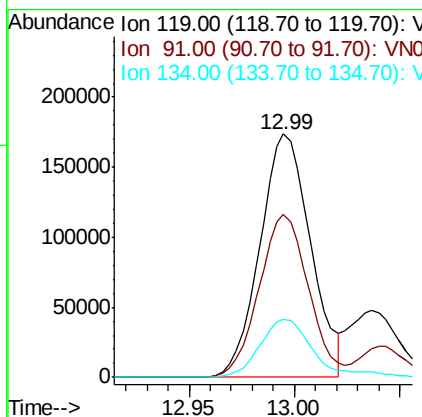
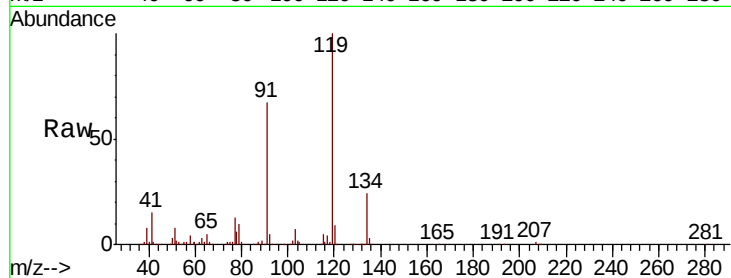
ClientSampleId :

VN1119WBSD04

Tot Ion:	119	Resp:	290483
Ion Ratio	Lower	Upper	
119	100		
91	65.4	33.2	99.6
134	25.5	12.7	38.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 22.699 ug/l

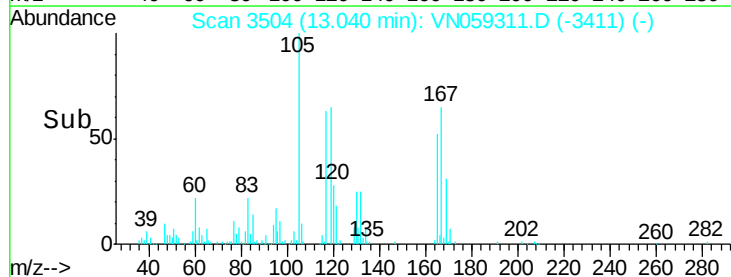
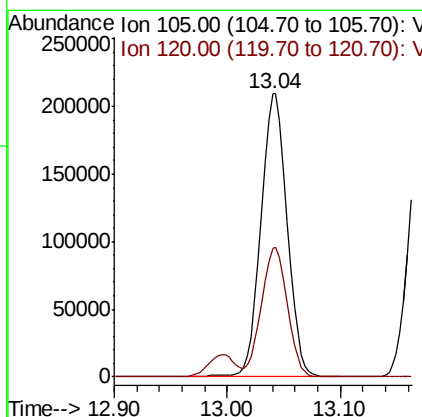
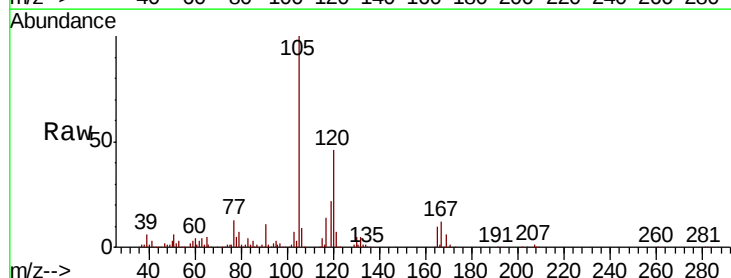
RT: 13.04 min Scan# 3504

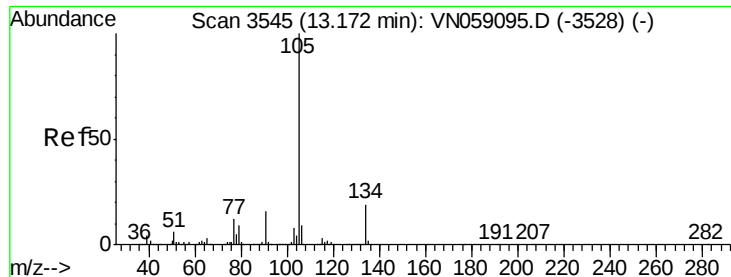
Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion:	105	Resp:	337247
Ion Ratio	Lower	Upper	
105	100		
120	45.3	22.8	68.4





#85

sec-Butylbenzene

Concen: 22.496 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Instrument :

MSVOA_N

ClientSampleId :

VN1119WBSD04

Tot Ion:105 Resp: 388004

Ion Ratio Lower Upper

105 100

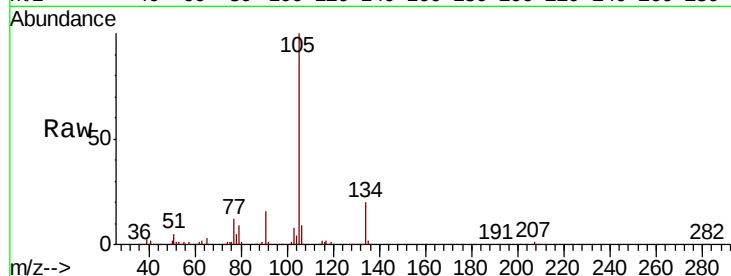
134 19.7 9.7 29.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

250000

200000

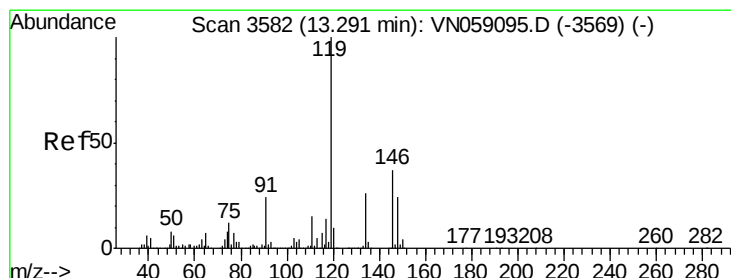
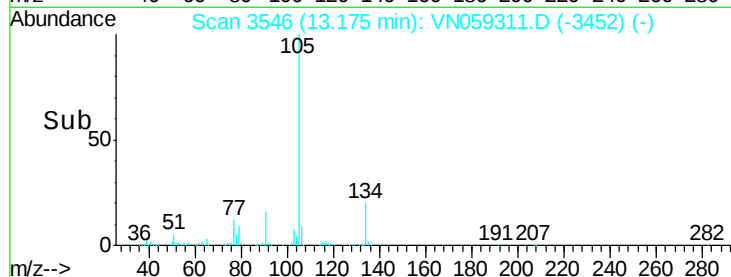
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.909 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

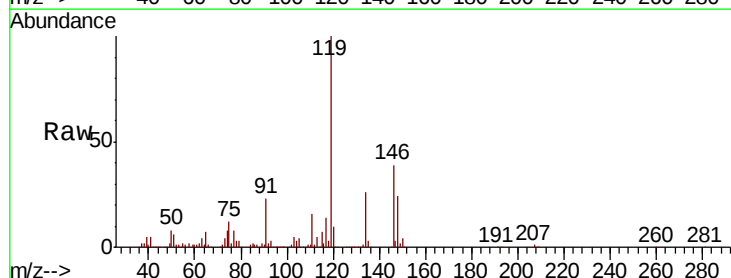
Tgt Ion:119 Resp: 348878

Ion Ratio Lower Upper

119 100

134 26.1 13.0 38.9

91 23.3 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

300000

250000

200000

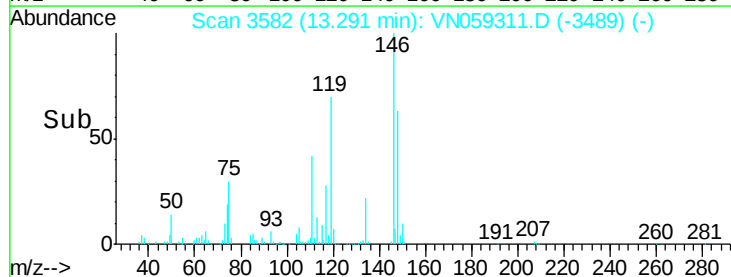
150000

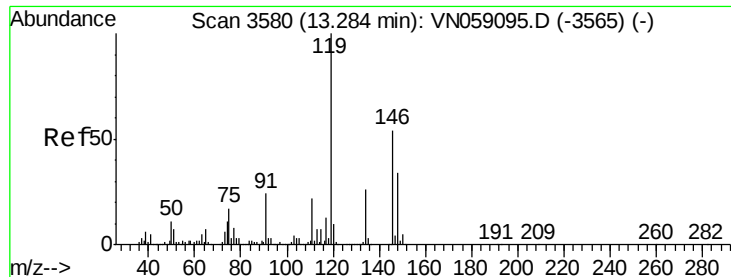
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.693 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059311.D

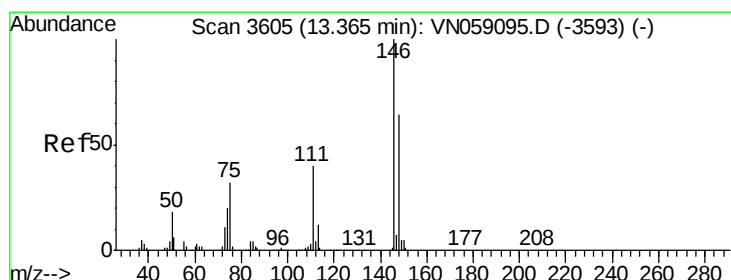
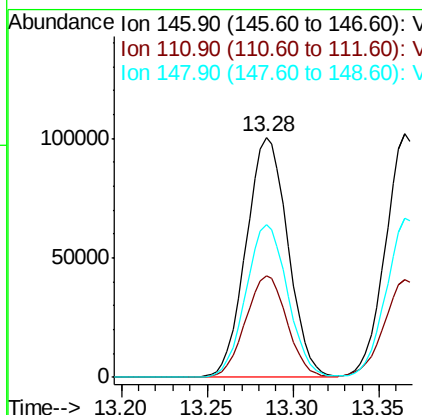
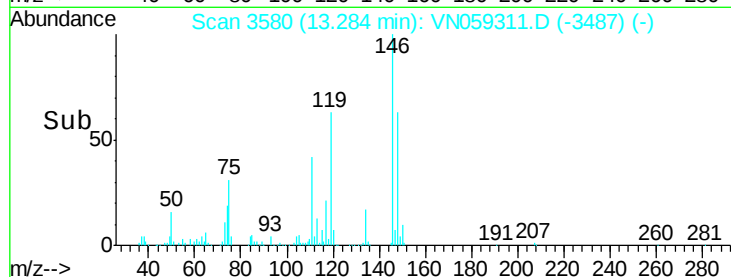
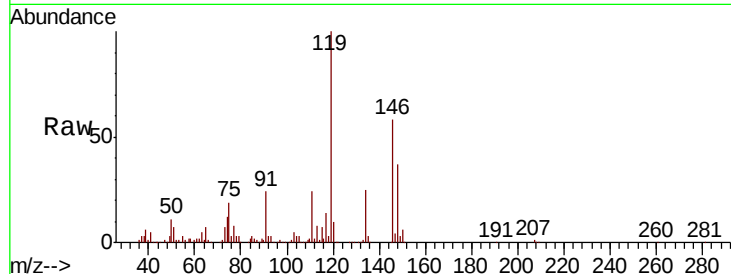
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	20.4	61.3
148	63.6	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.233 ug/l

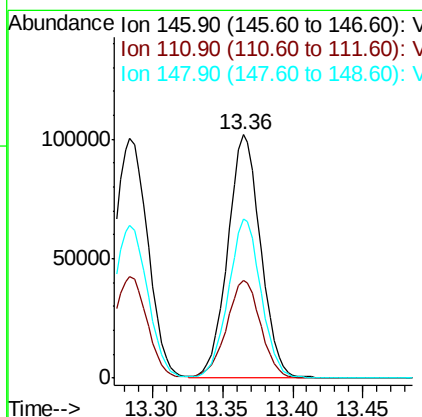
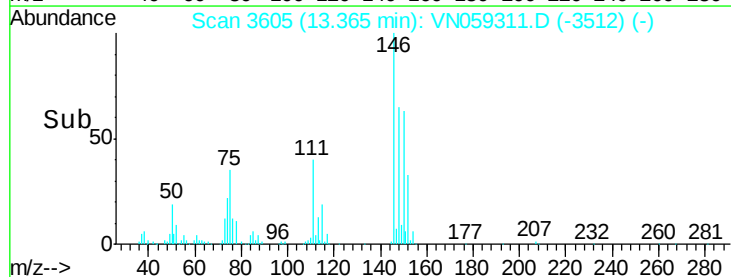
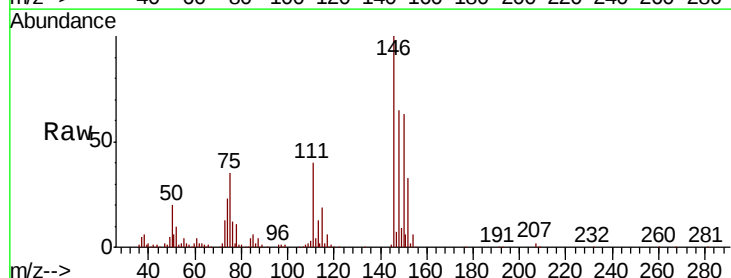
RT: 13.36 min Scan# 3605

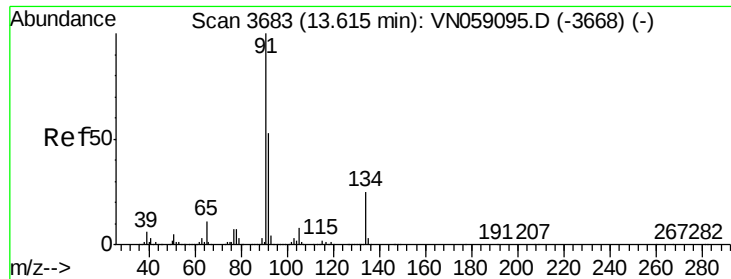
Delta R.T. -0.00 min

Lab File: VN059311.D

Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.9
148	65.3	31.9	95.7





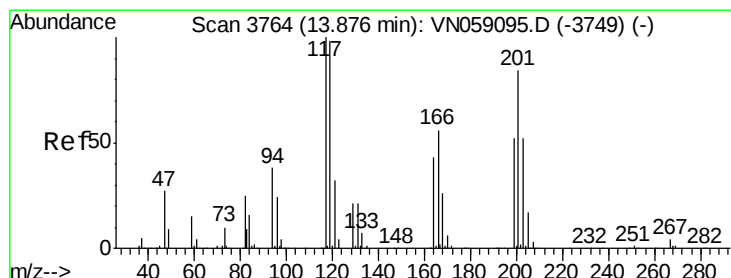
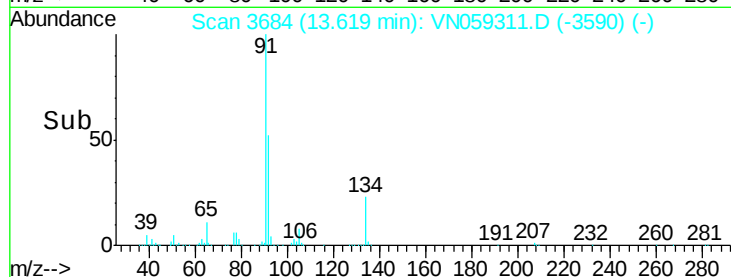
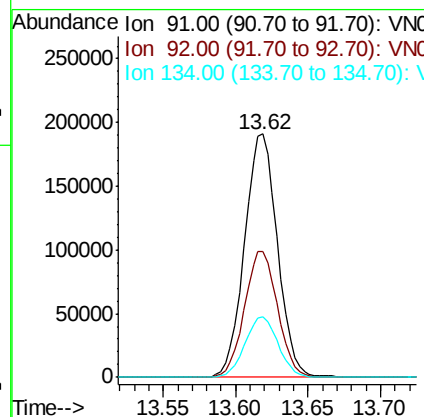
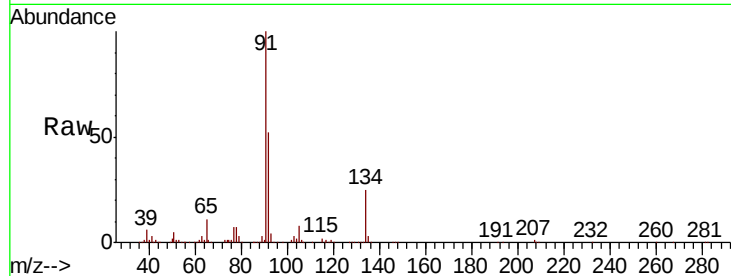
#89
n-Butylbenzene
Concen: 22.593 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.3
134	25.2	12.6	37.8

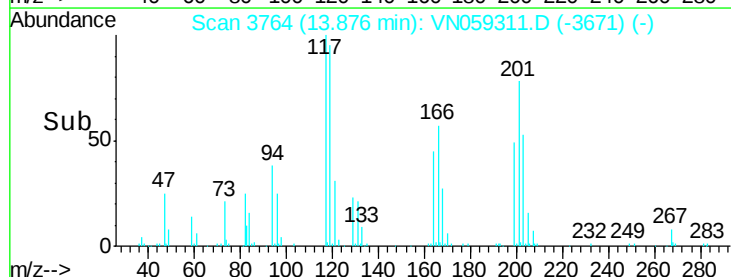
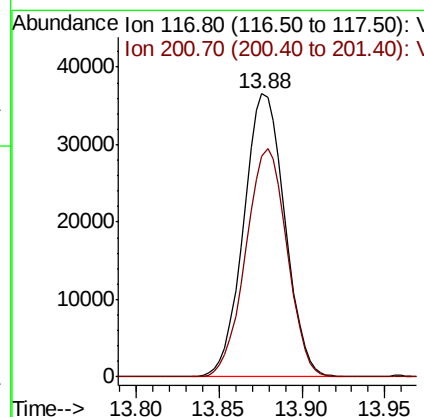
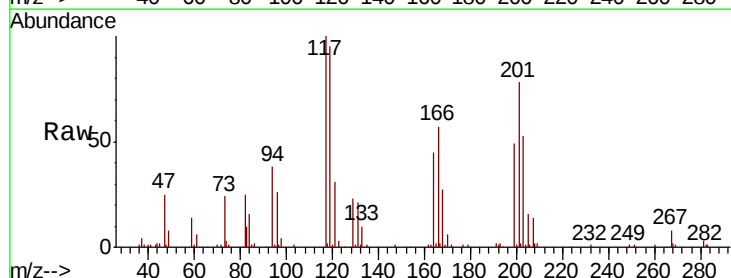
Manual Integrations
APPROVED

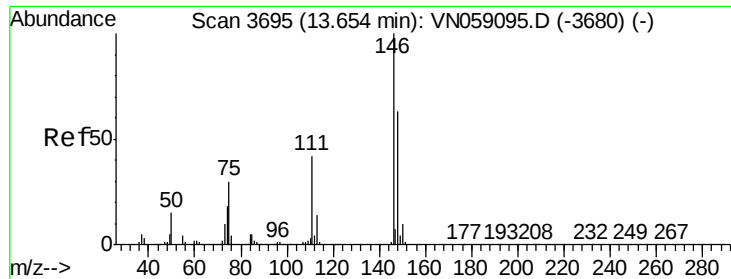
MMDadoda
11/20/2019 1:36:57 PM



#90
Hexachloroethane
Concen: 20.674 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.6	41.8	125.3





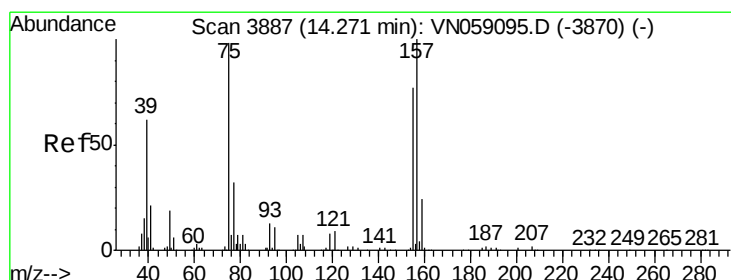
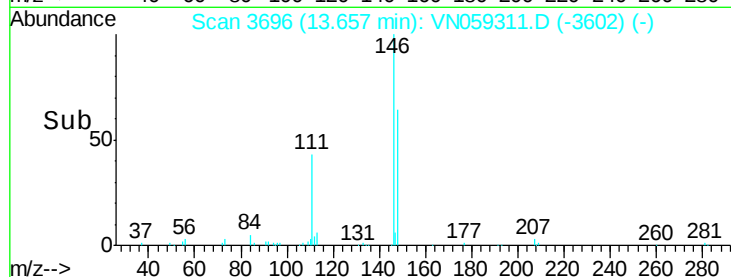
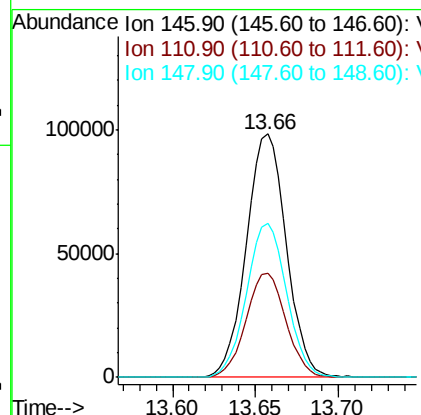
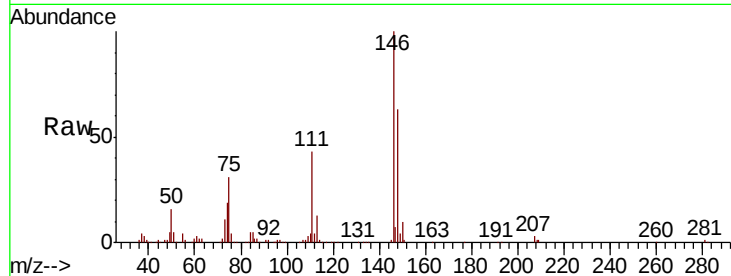
#91
 1,2-Dichlorobenzene
 Concen: 21.496 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.2	63.6
148	63.7	31.6	94.7

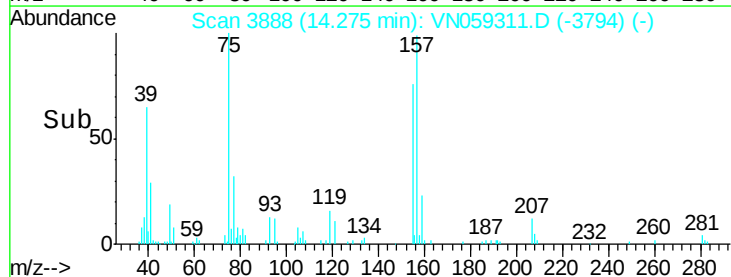
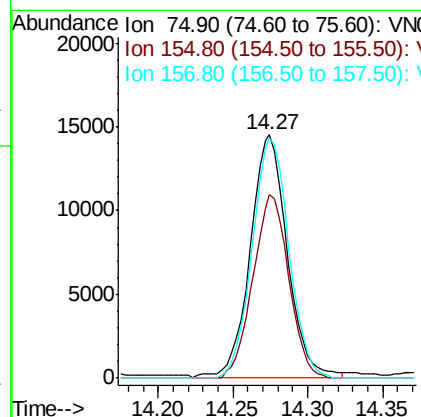
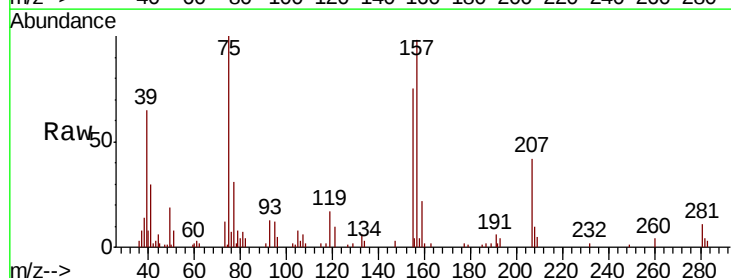
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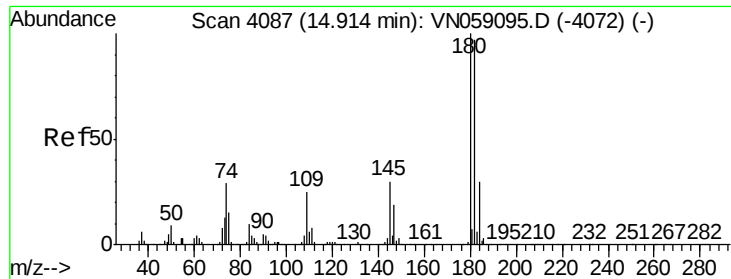
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.394 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.6	40.2	120.6
157	97.3	51.8	155.5





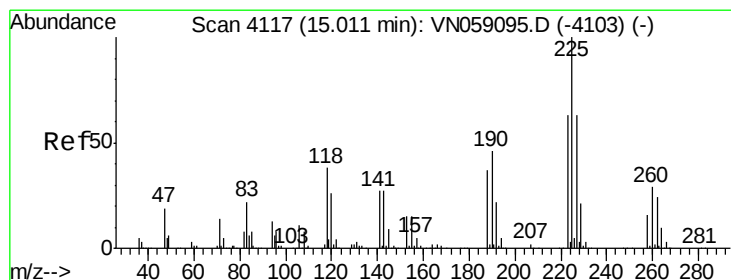
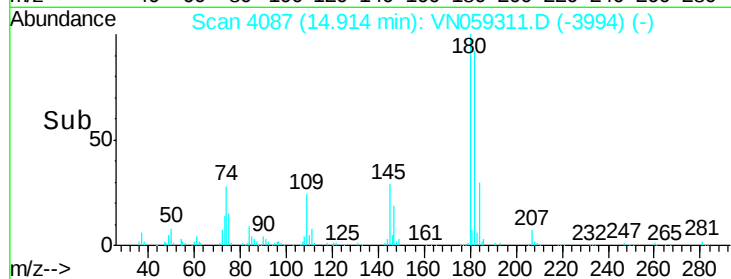
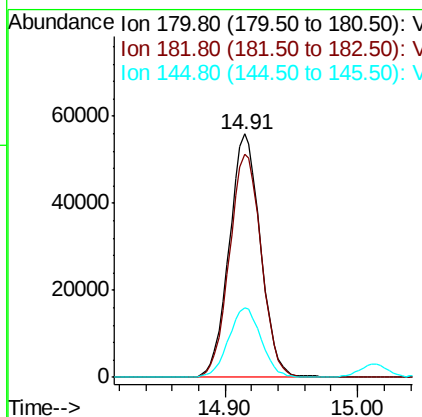
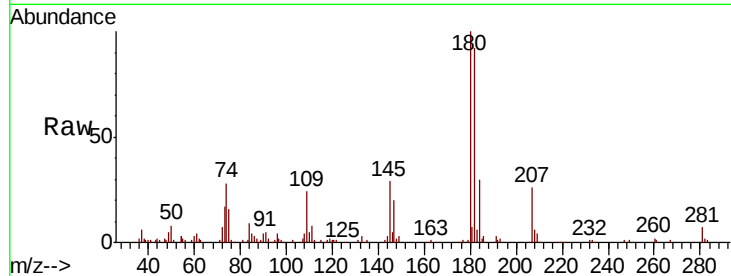
#93
 1,2,4-Trichlorobenzene
 Concen: 21.546 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
180	100	91675		
182	93.2	48.1	144.3	
145	29.7	15.1	45.3	

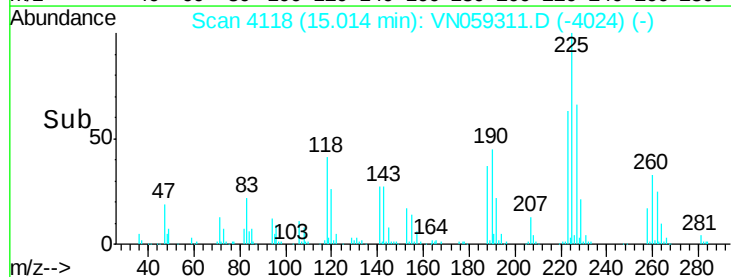
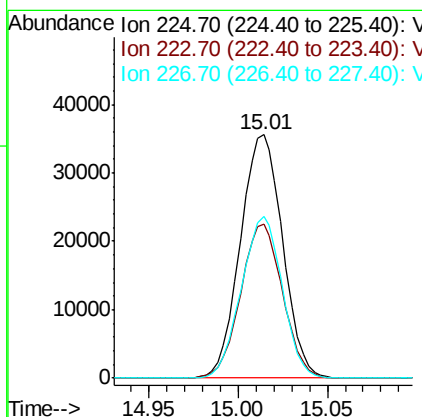
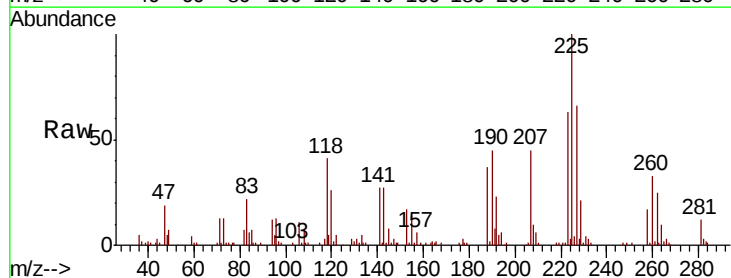
Manual Integrations
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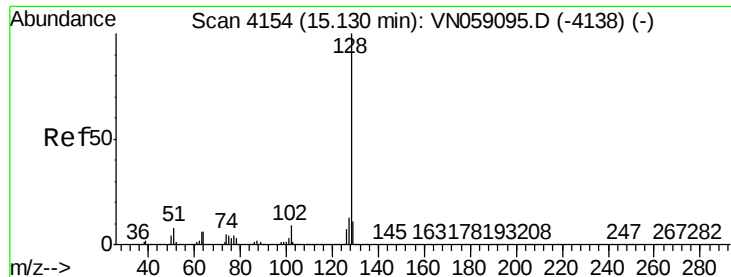
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#94
 Hexachlorobutadiene
 Concen: 22.285 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059311.D
 Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	58937		
223	62.8	31.3	93.9	
227	64.4	31.5	94.5	





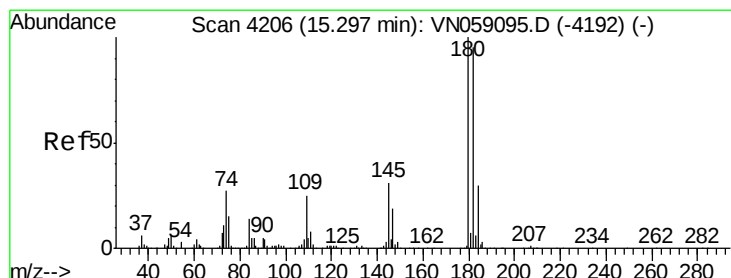
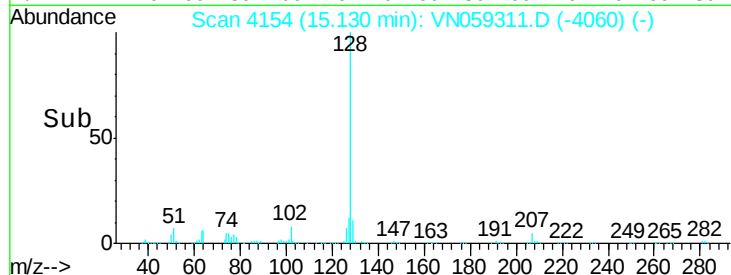
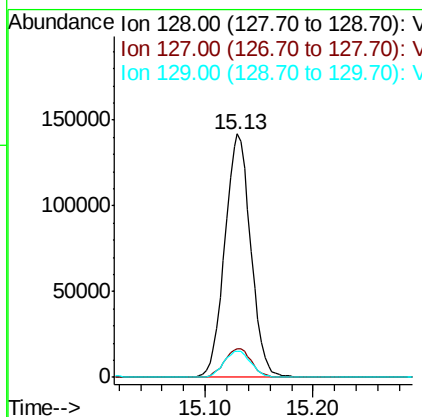
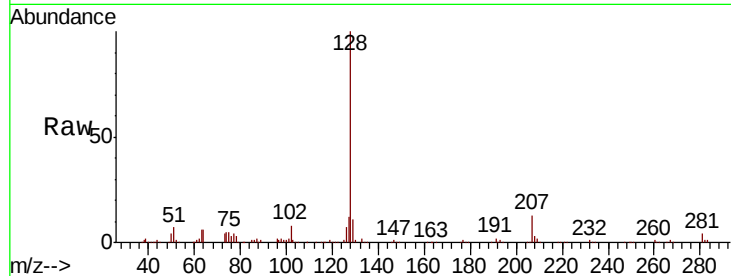
#95
Naphthalene
Concen: 20.303 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Instrument :
MSVOA_N
ClientSampleId :
VN1119WBSD04

Tot Ion	Ratio	Resp	Lower	Upper
128	100	237265		
127	12.3	10.2	15.2	
129	11.3	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.848 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. 0.00 min
Lab File: VN059311.D
Acq: 19 Nov 2019 17:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	89615		
182	94.6	47.3	141.8	
145	32.1	15.8	47.3	

