

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058202.D
 Acq On : 19 Sep 2019 13:51
 Operator : JC/SP
 Sample : VN0919WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:23 PM

Quant Time: Sep 20 07:58:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	494169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	833376	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	759922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	358725	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	368509	53.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.08%	
35) Dibromofluoromethane	7.57	113	258762	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
50) Toluene-d8	10.08	98	1037603	52.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.14%	
62) 4-Bromofluorobenzene	12.40	95	364511	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	78229	19.271 ug/l	99
3) Chloromethane	2.04	50	64263	19.915 ug/l	100
4) Vinyl Chloride	2.17	62	69670	19.814 ug/l	100
5) Bromomethane	2.55	94	34663	19.583 ug/l	99
6) Chloroethane	2.69	64	44559	19.252 ug/l	95
7) Trichlorofluoromethane	3.00	101	103834	18.739 ug/l	96
8) Diethyl Ether	3.39	74	48576	19.133 ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	76177	19.068 ug/l	99
10) Methyl Iodide	3.93	142	58506	17.477 ug/l	99
11) Tert butyl alcohol	4.75	59	79387	96.964 ug/l	98
12) 1,1-Dichloroethene	3.72	96	61052	19.923 ug/l	99
13) Acrolein	3.59	56	18546	152.853 ug/l	100
14) Allyl chloride	4.30	41	122897	18.800 ug/l	98
15) Acrylonitrile	4.96	53	222954	102.211 ug/l	99
16) Acetone	3.80	43	194472	83.239 ug/l	99
17) Carbon Disulfide	4.03	76	74185	17.560 ug/l	99
18) Methyl Acetate	4.30	43	117689	19.144 ug/l	100
19) Methyl tert-butyl Ether	5.02	73	297240	19.727 ug/l	98
20) Methylene Chloride	4.53	84	84267	20.470 ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	65828	19.681 ug/l	96
22) Diisopropyl ether	5.93	45	324472	19.540 ug/l	92
23) Vinyl Acetate	5.87	43	1151138	101.310 ug/l	100
24) 1,1-Dichloroethane	5.83	63	170813	19.273 ug/l	99
25) 2-Butanone	6.81	43	299288	94.029 ug/l	99
26) 2,2-Dichloropropane	6.81	77	129254	17.191 ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	96328	19.222 ug/l	98
28) Bromochloromethane	7.18	49	87734	20.926 ug/l	99
29) Tetrahydrofuran	7.19	42	189312	96.558 ug/l	99
30) Chloroform	7.36	83	185249	19.418 ug/l	98
31) Cyclohexane	7.64	56	117409	18.997 ug/l	92
32) 1,1,1-Trichloroethane	7.55	97	142684	19.647 ug/l	100
36) 1,1-Dichloropropene	7.78	75	104752	17.430 ug/l	98
37) Ethyl Acetate	6.91	43	122570	19.652 ug/l	98
38) Carbon Tetrachloride	7.76	117	112022	18.543 ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	107761	18.590	ug/l	97
40) Benzene	8.03	78	346494	18.876	ug/l	99
41) Methacrylonitrile	7.15	41	60683	19.873	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	143811	18.671	ug/l	99
43) Isopropyl Acetate	8.15	43	220517	18.931	ug/l	99
44) Trichloroethene	8.82	130	91184	20.299	ug/l	98
45) 1,2-Dichloropropane	9.11	63	110021	20.070	ug/l	99
46) Dibromomethane	9.20	93	64390	19.320	ug/l	99
47) Bromodichloromethane	9.39	83	135225	19.367	ug/l	96
48) Methyl methacrylate	9.19	41	101972	19.281	ug/l	99
49) 1,4-Dioxane	9.19	88	34061	392.266	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	673727	108.894	ug/l	98
52) Toluene	10.15	92	219242	19.058	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	133505	18.666	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	148333	18.784	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	101700	19.921	ug/l	97
56) Ethyl methacrylate	10.43	69	143594	19.494	ug/l	99
57) 1,3-Dichloropropane	10.71	76	173507	19.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	356559	101.624	ug/l	99
59) 2-Hexanone	10.75	43	472752	102.884	ug/l	99
60) Dibromochloromethane	10.90	129	95485	19.441	ug/l	98
61) 1,2-Dibromoethane	11.00	107	91755	19.394	ug/l	100
64) Tetrachloroethene	10.63	164	68492	18.489	ug/l	98
65) Chlorobenzene	11.43	112	255028	19.080	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96152	19.839	ug/l	99
67) Ethyl Benzene	11.51	91	451472	19.712	ug/l	99
68) m/p-Xylenes	11.62	106	325072	37.685	ug/l	96
69) o-Xylene	11.95	106	165647	19.529	ug/l	98
70) Styrene	11.97	104	286461	19.601	ug/l	99
71) Bromoform	12.13	173	56837	18.275	ug/l #	99
73) Isopropylbenzene	12.25	105	469008	20.888	ug/l	100
74) N-amyl acetate	12.07	43	187563	19.968	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	155467	20.676	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	137884m	21.477	ug/l	
77) Bromobenzene	12.53	156	109774	19.436	ug/l	99
78) n-propylbenzene	12.60	91	537892	21.081	ug/l	99
79) 2-Chlorotoluene	12.68	91	322364	20.216	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	397194	20.919	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33951	19.700	ug/l	93
82) 4-Chlorotoluene	12.78	91	332164	19.816	ug/l	99
83) tert-Butylbenzene	13.00	119	347434	20.519	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	399744	21.155	ug/l	100
85) sec-Butylbenzene	13.18	105	469291	21.194	ug/l	99
86) p-Isopropyltoluene	13.29	119	411949	20.927	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	202532	19.632	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	207066	19.661	ug/l	99
89) n-Butylbenzene	13.62	91	366310	19.628	ug/l	99
90) Hexachloroethane	13.88	117	60474	19.353	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	213275	20.610	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25720	19.000	ug/l	96

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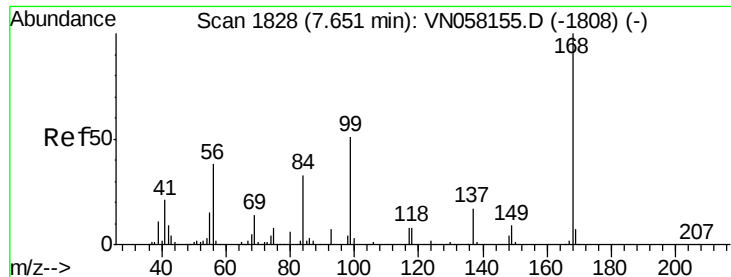
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	124424	18.819	ug/l	99
94) Hexachlorobutadiene	15.01	225	61506	19.247	ug/l	98
95) Naphthalene	15.13	128	328738	19.185	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	118059	18.892	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion:168 Resp: 494169

Ion Ratio Lower Upper

168 100

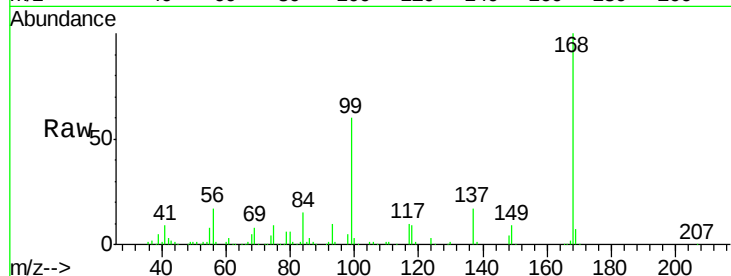
99 59.4 47.4 71.2

Manual Integrations

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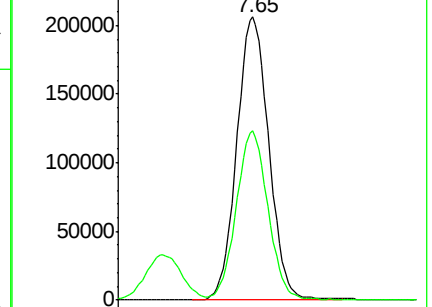
MMDadoda

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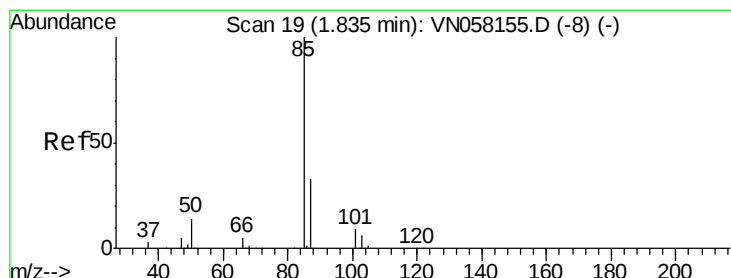
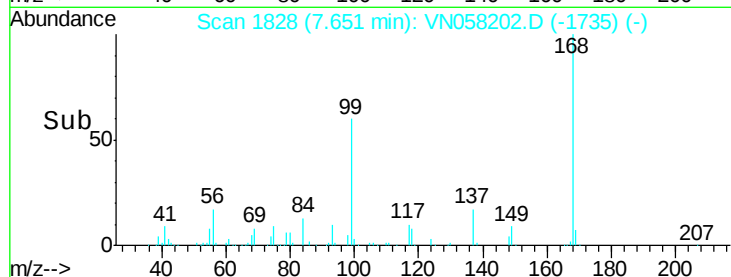


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



Time-->



#2

Dichlorodifluoromethane

Concen: 19.271 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058202.D

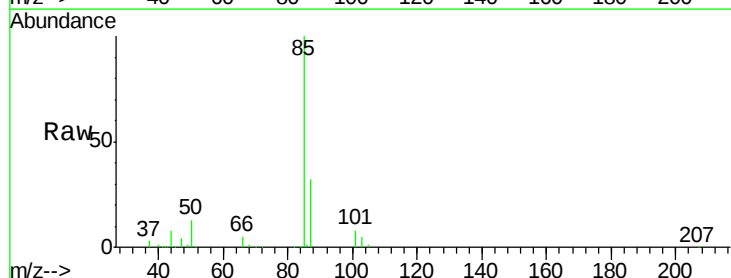
Acq: 19 Sep 2019 13:51

Tgt Ion: 85 Resp: 78229

Ion Ratio Lower Upper

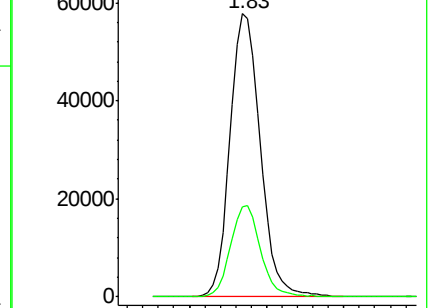
85 100

87 31.8 16.3 48.9

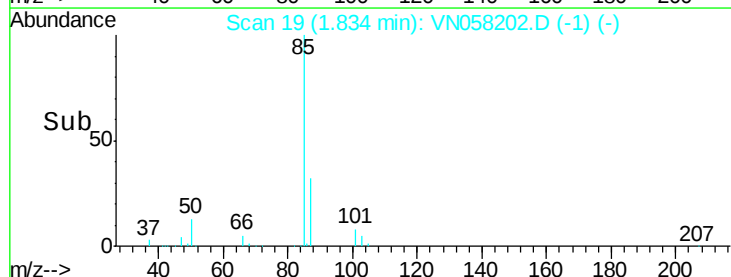


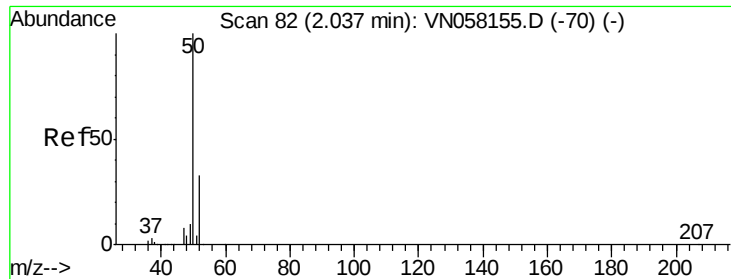
Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO



Time-->





#3

Chloromethane

Concen: 19.915 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 50 Resp: 64263

Ion Ratio Lower Upper

50 100

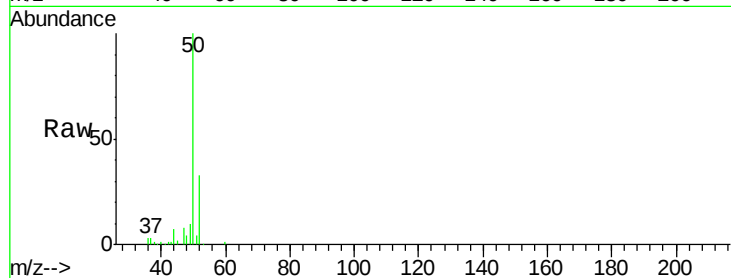
52 32.9 26.3 39.5

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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

50000

40000

30000

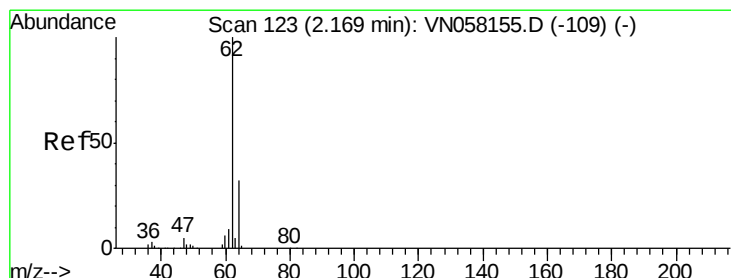
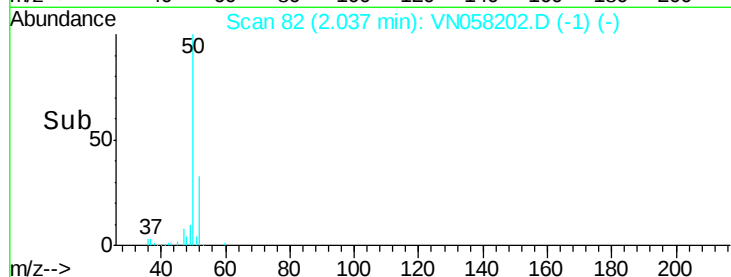
20000

10000

0

Time-->

2.00 2.05 2.10



#4

Vinyl Chloride

Concen: 19.814 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058202.D

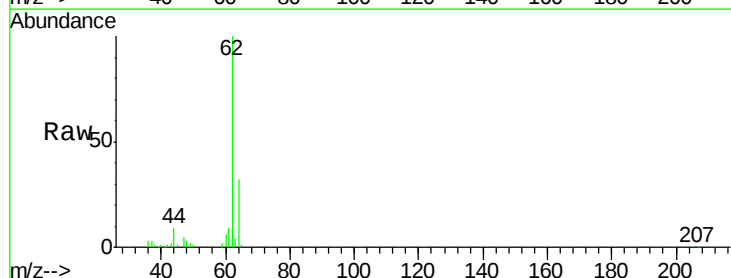
Acq: 19 Sep 2019 13:51

Tgt Ion: 62 Resp: 69670

Ion Ratio Lower Upper

62 100

64 32.0 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

50000

40000

30000

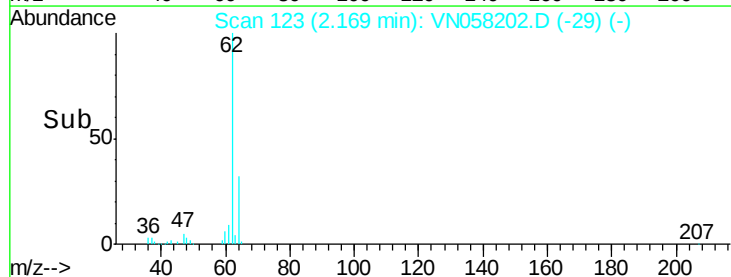
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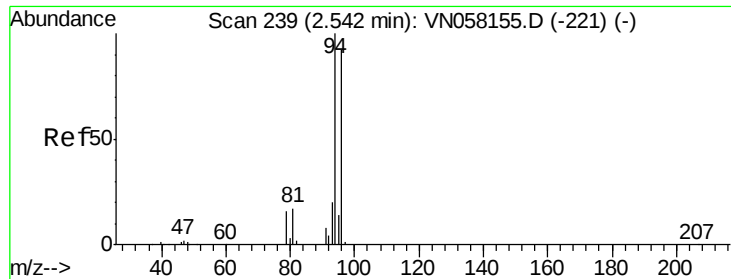
10000

0

Time-->

2.10 2.15 2.20 2.25





#5

Bromomethane

Concen: 19.583 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.01 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

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ClientSampleId :

VN0919WBSD01

Tot Ion: 94 Resp: 34663

Ion Ratio Lower Upper

94 100

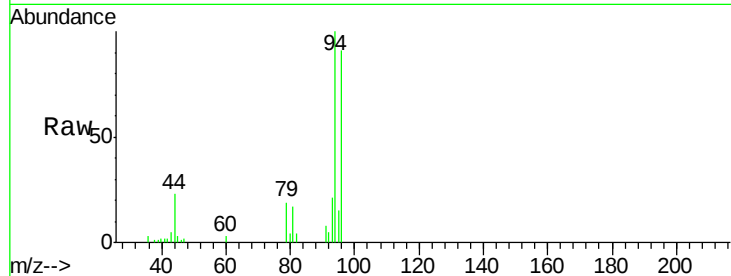
96 90.5 73.3 109.9

Manual Integrations

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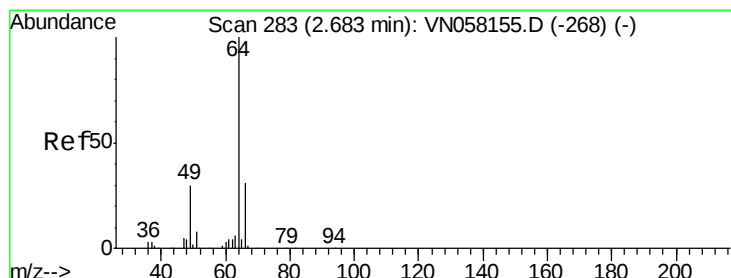
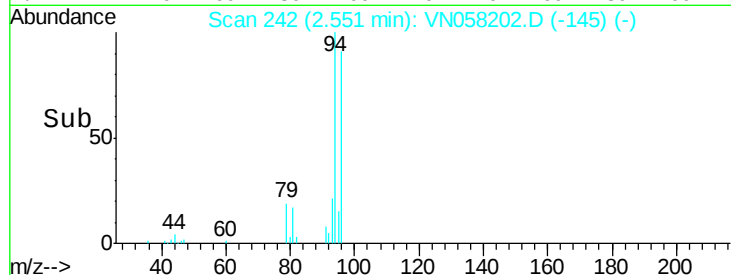
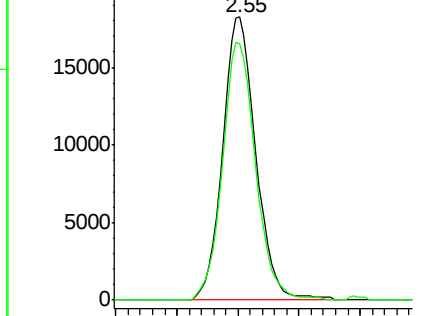
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 19.252 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058202.D

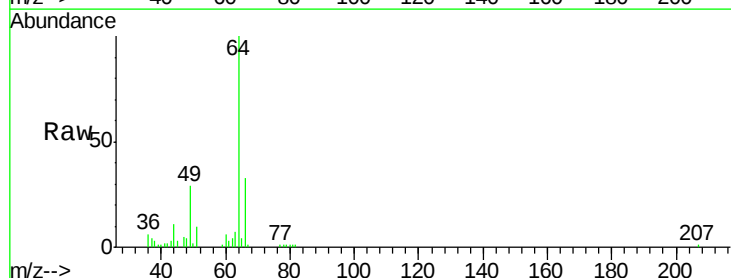
Acq: 19 Sep 2019 13:51

Tgt Ion: 64 Resp: 44559

Ion Ratio Lower Upper

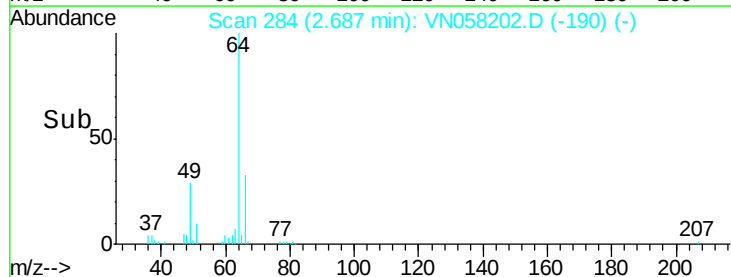
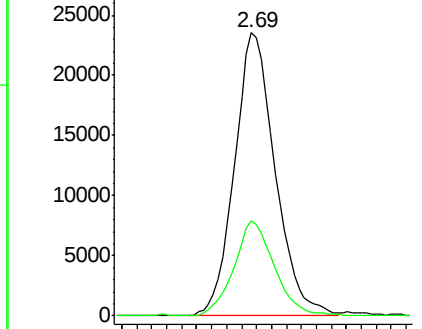
64 100

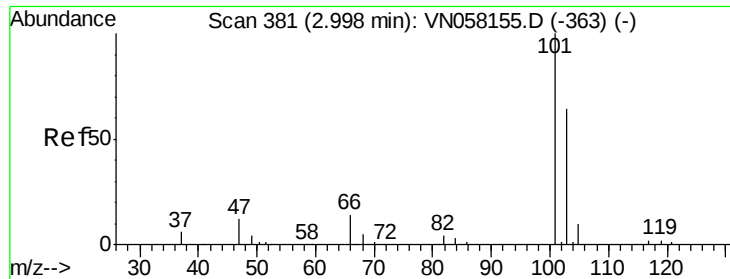
66 33.5 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

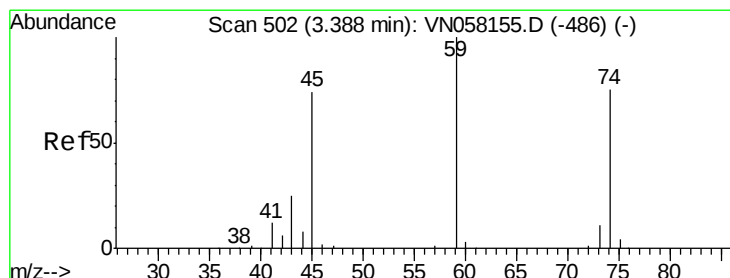
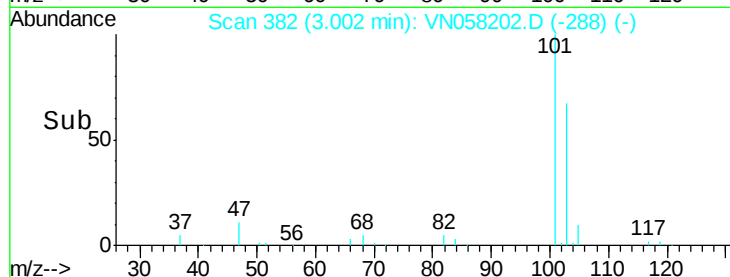
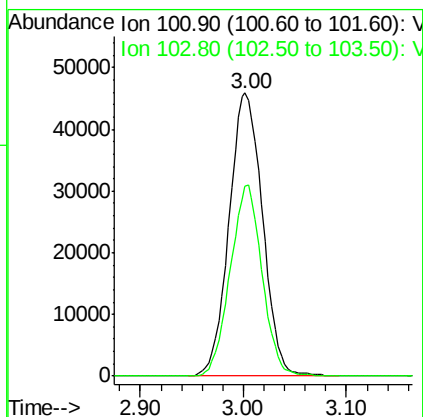
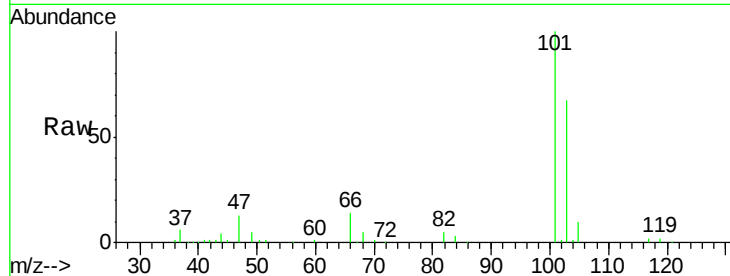
Trichlorofluoromethane
Concen: 18.739 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
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VN0919WBSD01

Tot Ion:101 Resp: 103834
Ion Ratio Lower Upper
101 100
103 66.9 51.0 76.6

Manual Integrations
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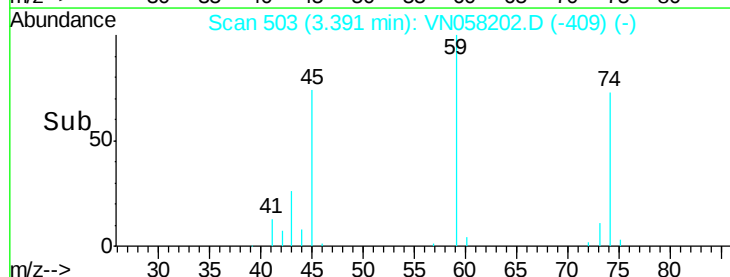
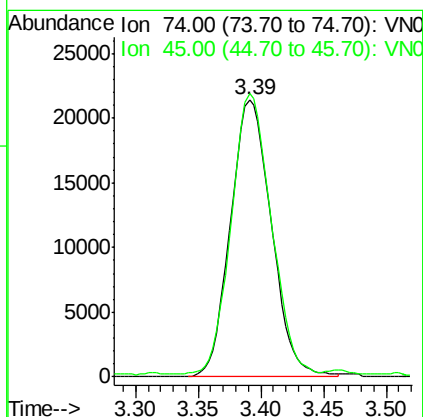
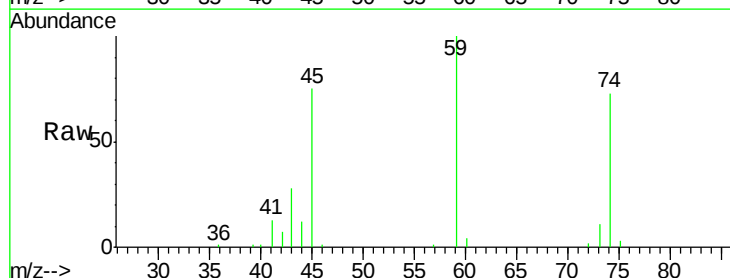
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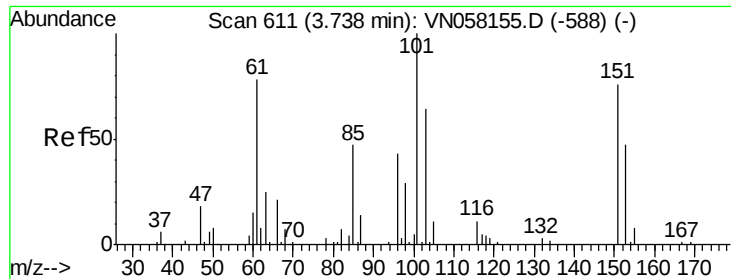


#8

Diethyl Ether
Concen: 19.133 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 74 Resp: 48576
Ion Ratio Lower Upper
74 100
45 98.7 48.5 145.5





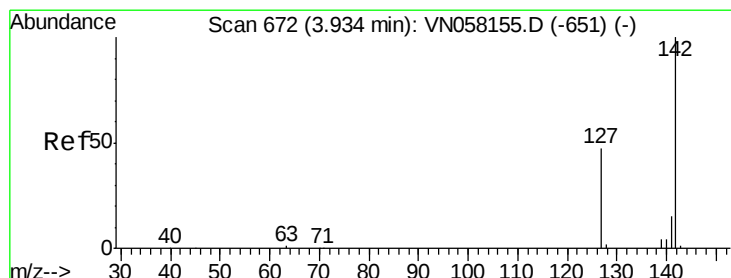
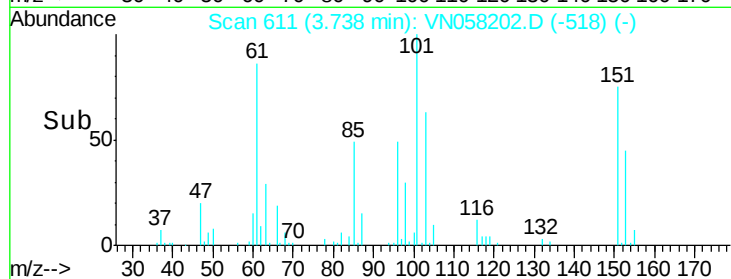
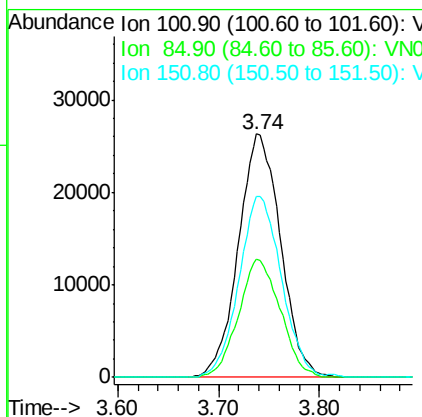
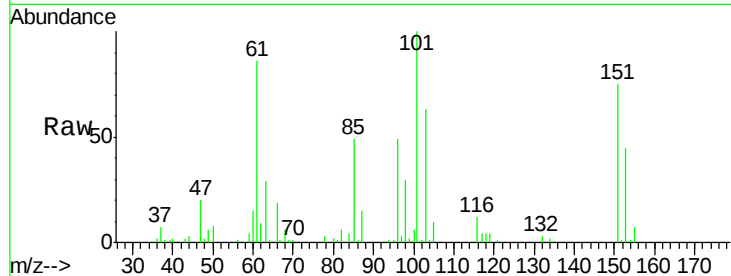
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.068 ug/l
RT: 3.74 min Scan# 611
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	48.1	37.3	55.9
151	74.9	59.6	89.4

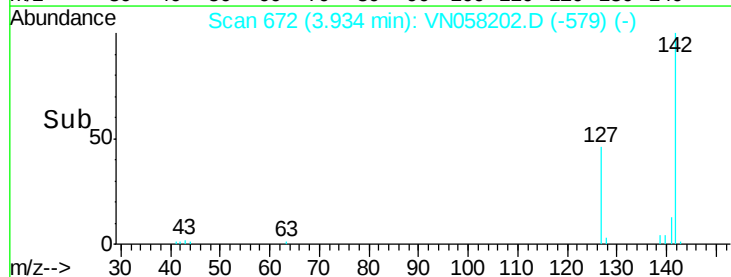
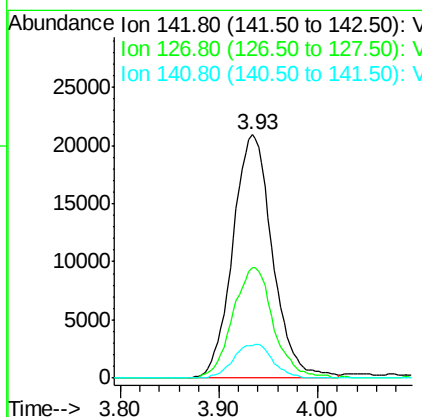
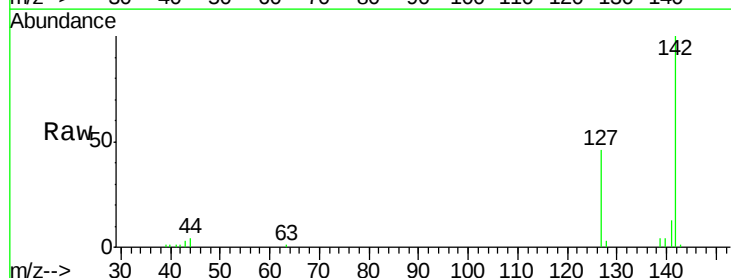
Manual Integrations
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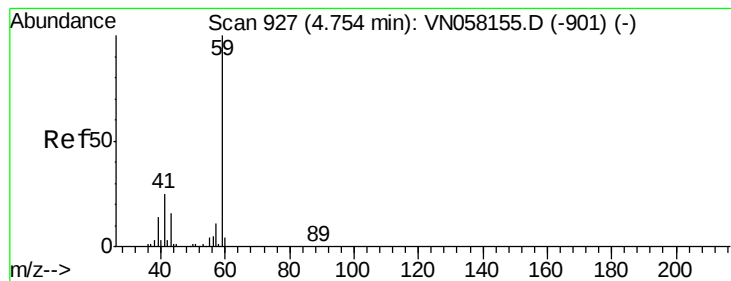
MMDadoda
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#10
Methyl Iodide
Concen: 17.477 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.2	37.5	56.3
141	13.6	11.4	17.2





#11

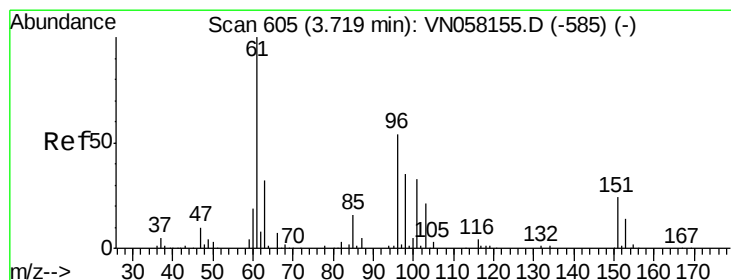
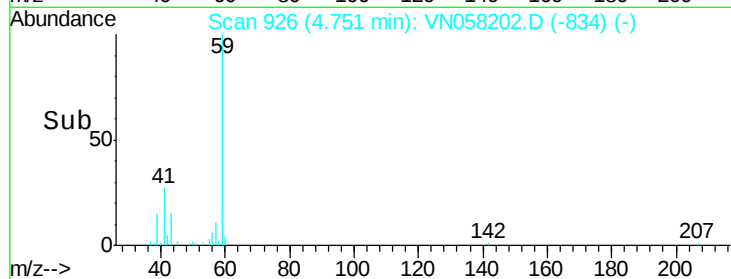
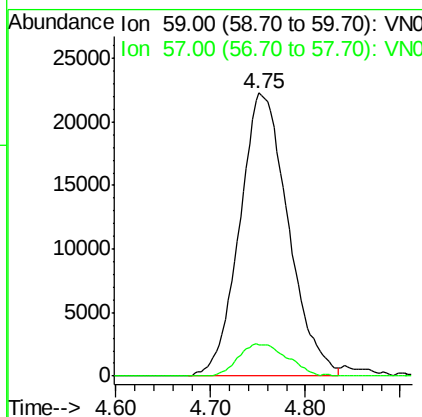
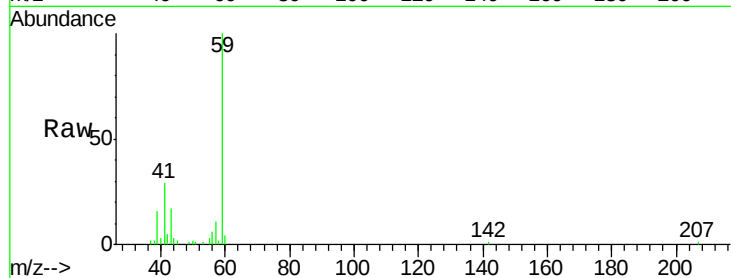
Tert butyl alcohol
 Concen: 96.964 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	59.00 (58.70 to 59.70): VN0	Resp	79387
Ion	Ratio	Lower	Upper
59	100		
57	11.4	8.6	13.0

Manual Integrations
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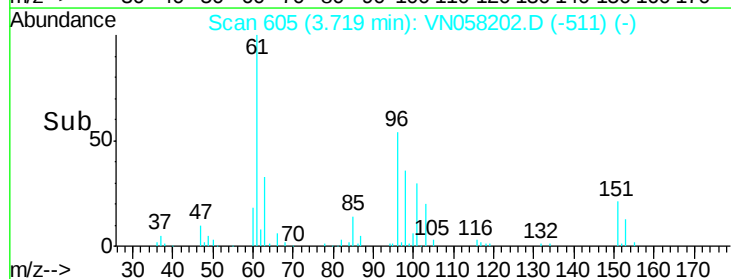
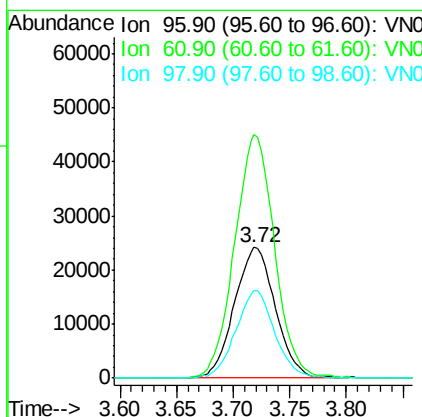
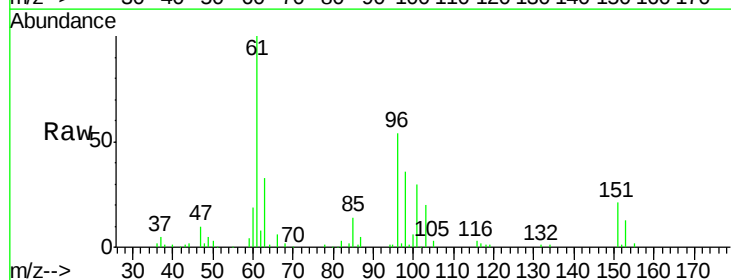
MMDadoda
 9/20/2019 3:37:23 PM

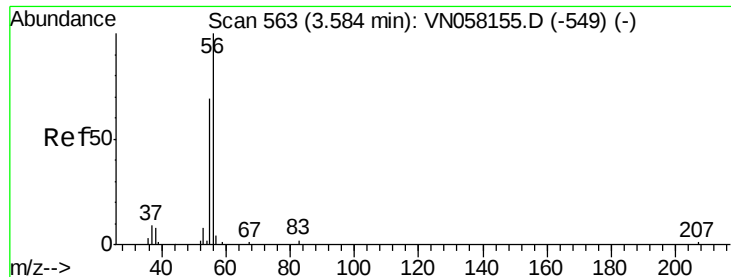


#12

1,1-Dichloroethene
 Concen: 19.923 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	96	Resp	61052
Ion	Ratio	Lower	Upper
96	100		
61	186.8	149.5	224.3
98	66.8	52.4	78.6





#13

Acrolein

Concen: 152.853 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 56 Resp: 18546

Ion Ratio Lower Upper

56 100

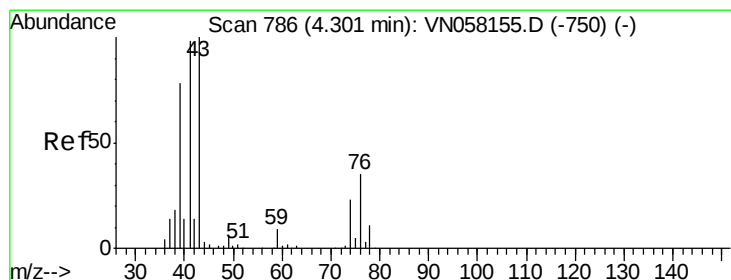
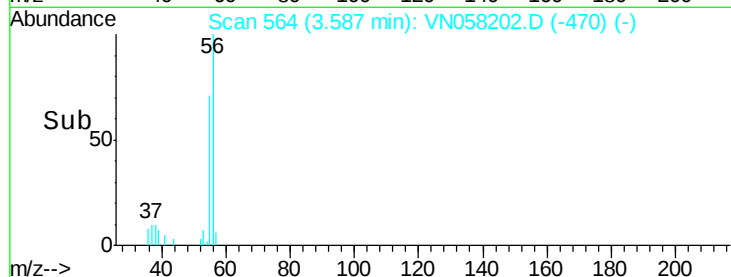
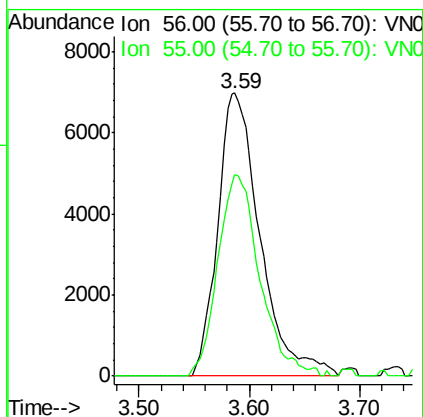
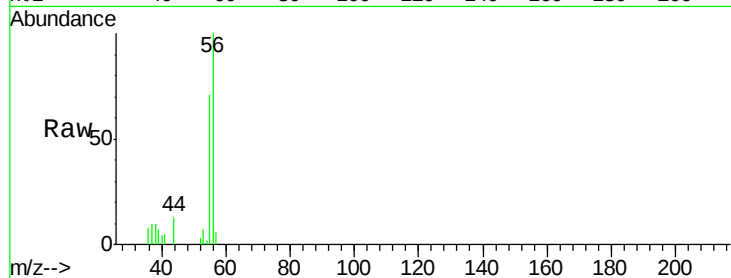
55 70.0 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 18.800 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

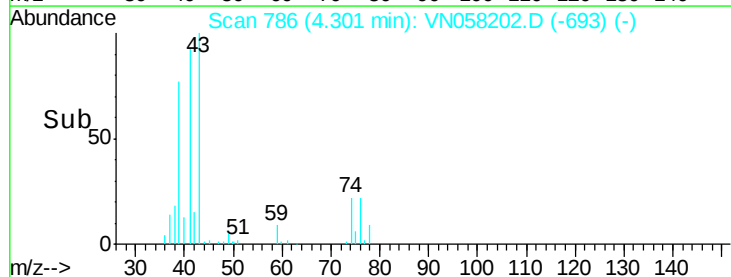
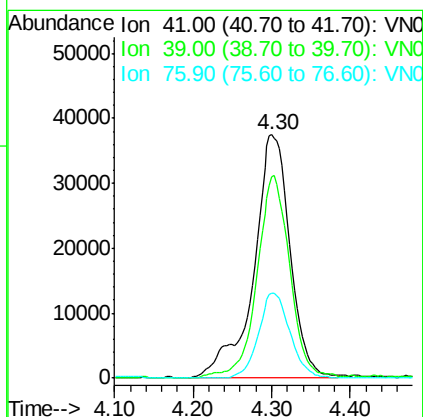
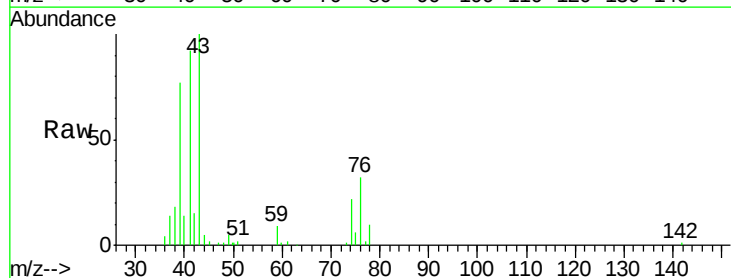
Tgt Ion: 41 Resp: 122897

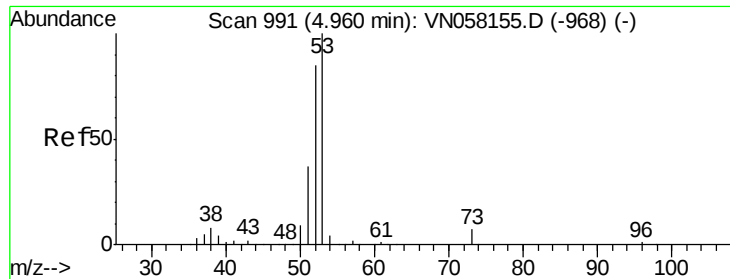
Ion Ratio Lower Upper

41 100

39 74.9 59.1 88.7

76 30.1 25.1 37.7





#15

Acrylonitrile

Concen: 102.211 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

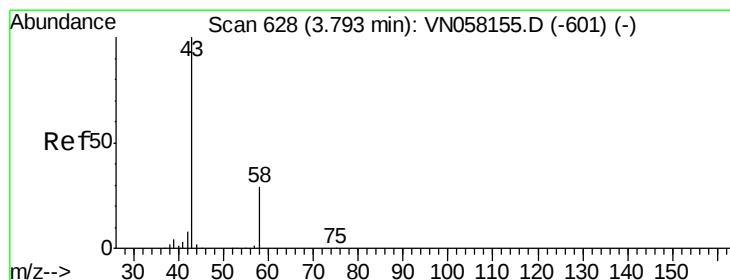
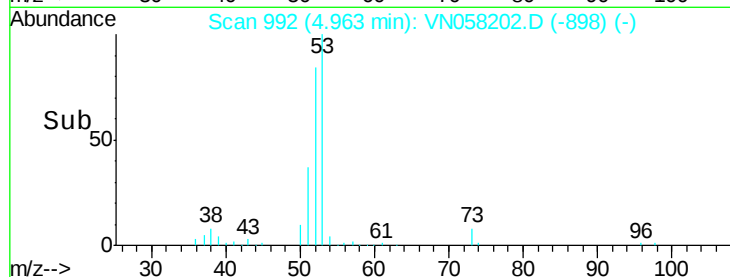
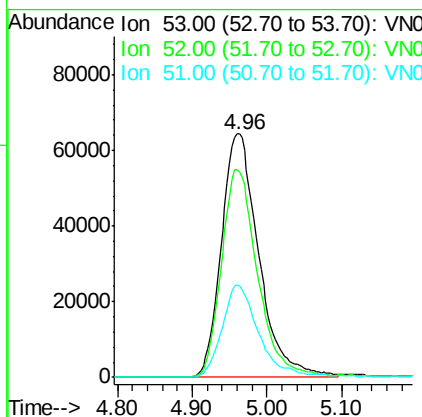
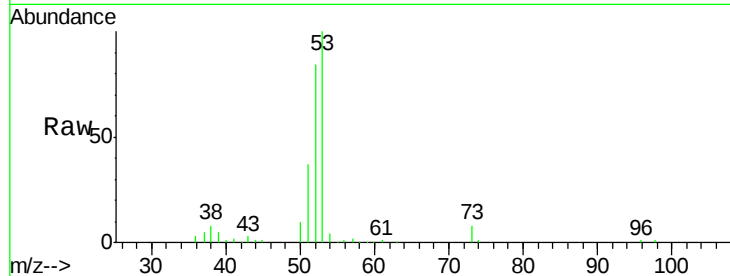
ClientSampleId :

VN0919WBSD01

Tot Ion:	53	Resp:	222954
Ion	Ratio	Lower	Upper
53	100		
52	82.4	66.6	100.0
51	36.8	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 83.239 ug/l

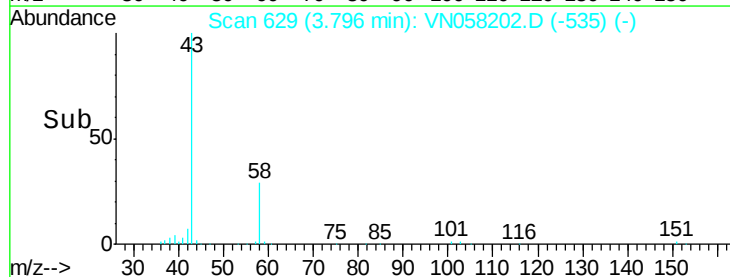
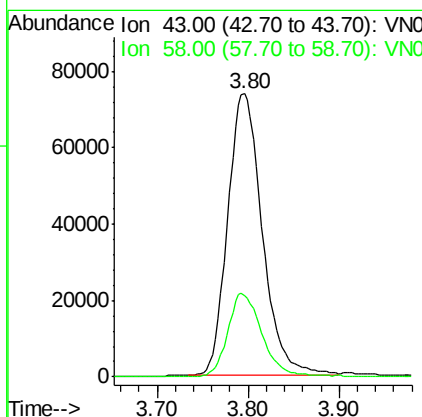
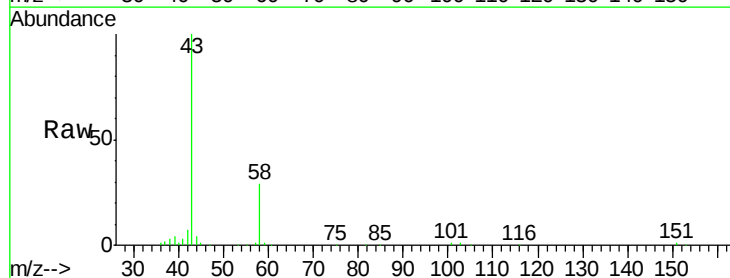
RT: 3.80 min Scan# 629

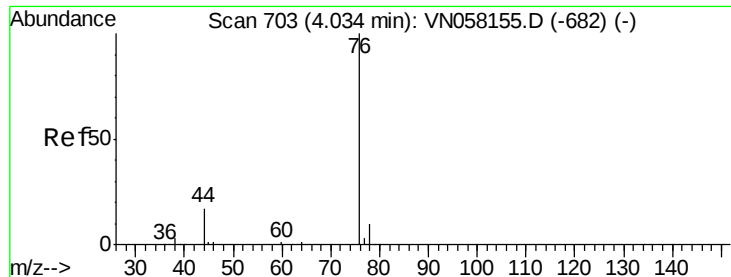
Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion:	43	Resp:	194472
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.4	35.2





#17

Carbon Disulfide

Concen: 17.560 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 76 Resp: 74185

Ion Ratio Lower Upper

76 100

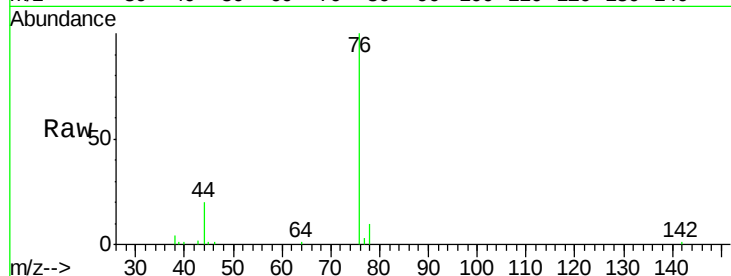
78 9.9 7.7 11.5

Manual Integrations

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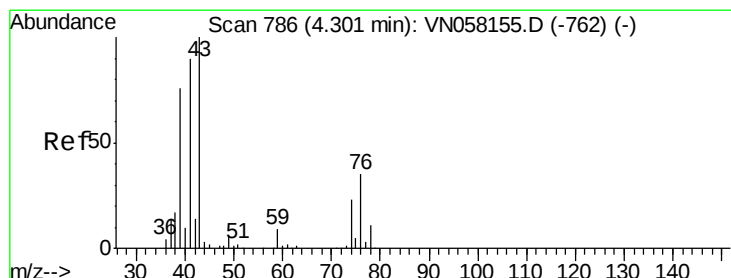
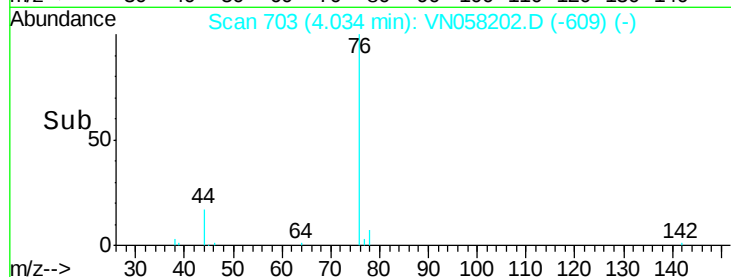
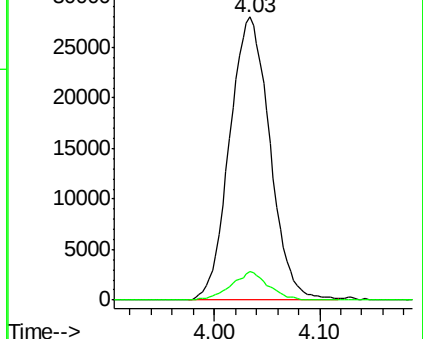
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 19.144 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058202.D

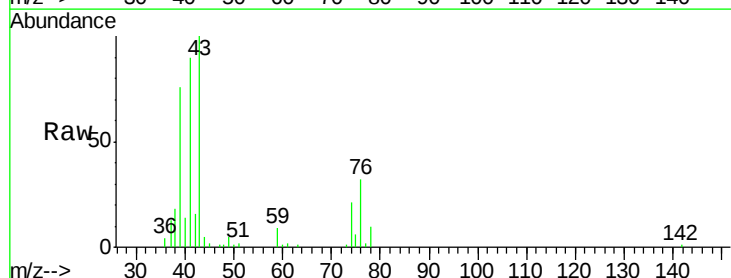
Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 117689

Ion Ratio Lower Upper

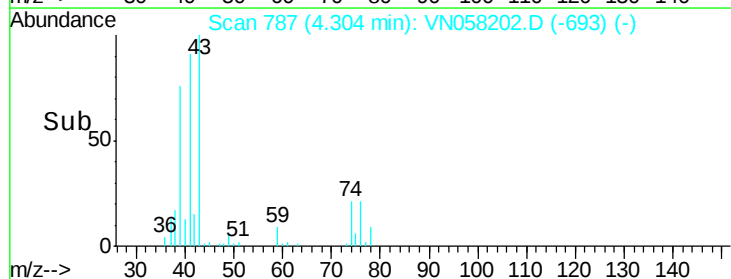
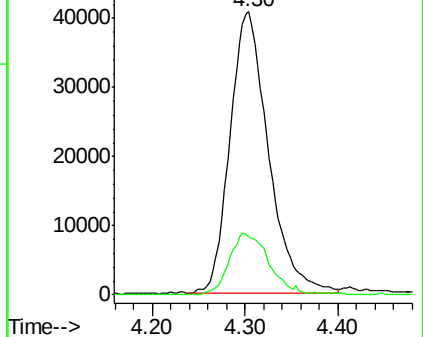
43 100

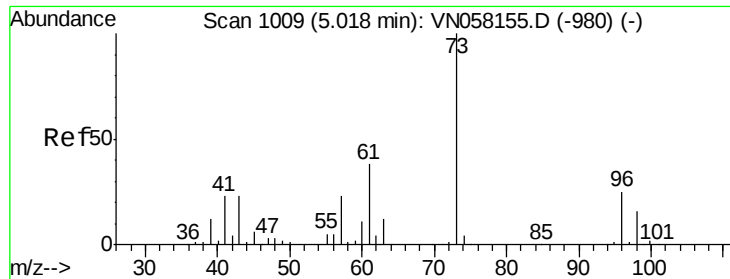
74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





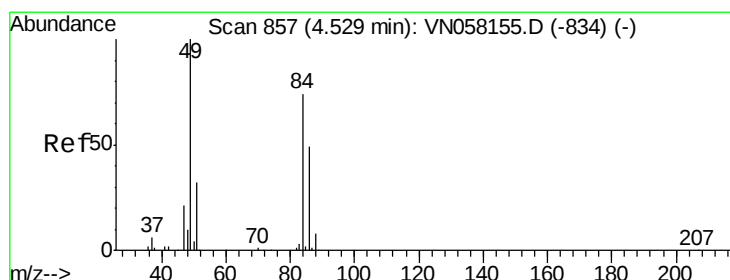
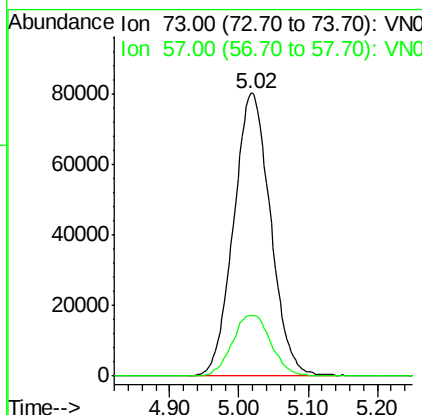
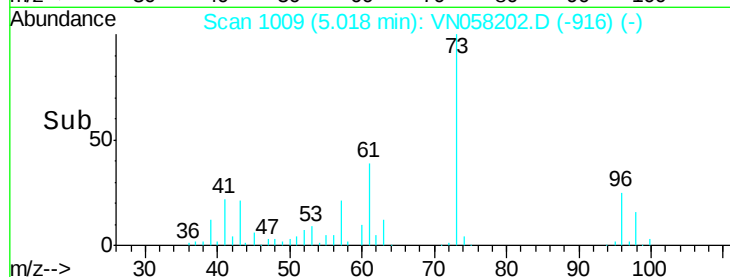
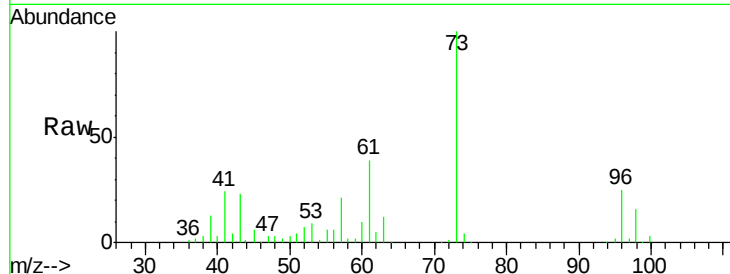
#19
Methvl tert-butvl Ether
Concen: 19.727 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion: 73 Resp: 297240
Ion Ratio Lower Upper
73 100
57 21.5 18.1 27.1

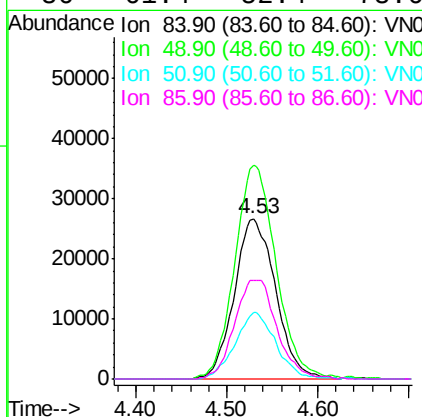
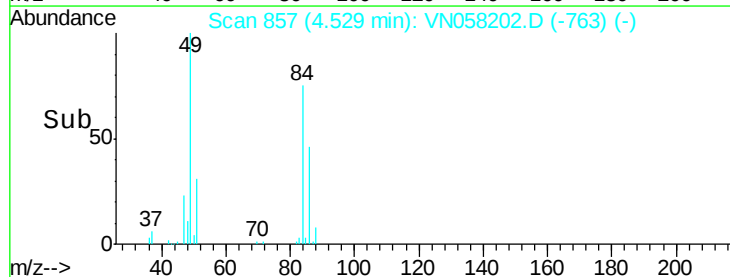
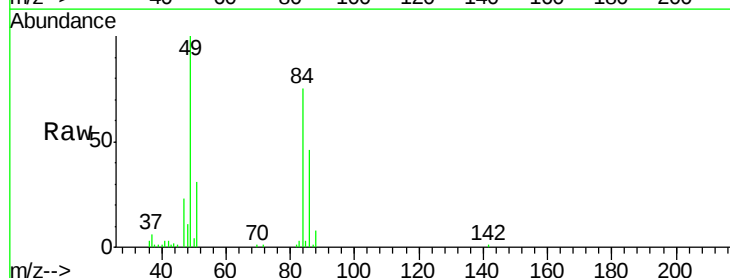
Manual Integrations
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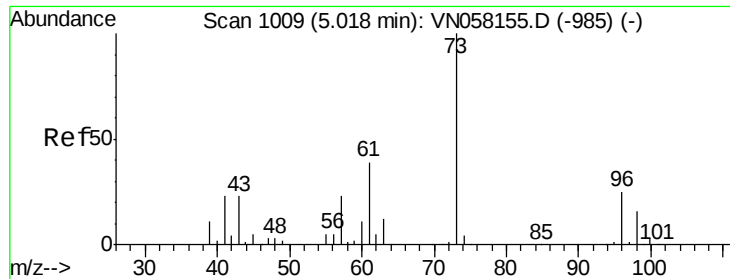
MMDadoda
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#20
Methylene Chloride
Concen: 20.470 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 84 Resp: 84267
Ion Ratio Lower Upper
84 100
49 133.2 107.5 161.3
51 41.2 33.9 50.9
86 61.4 52.4 78.6





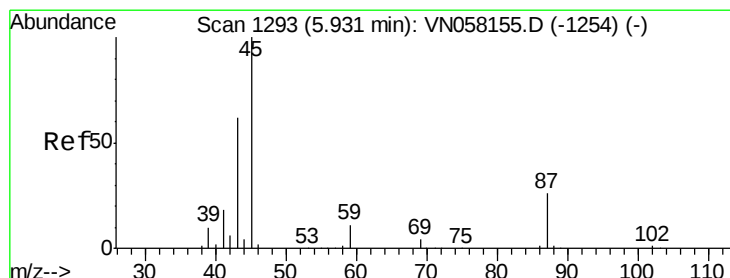
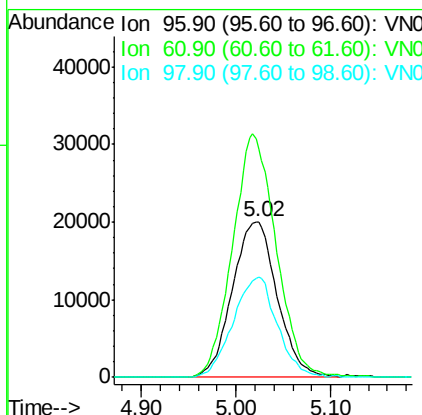
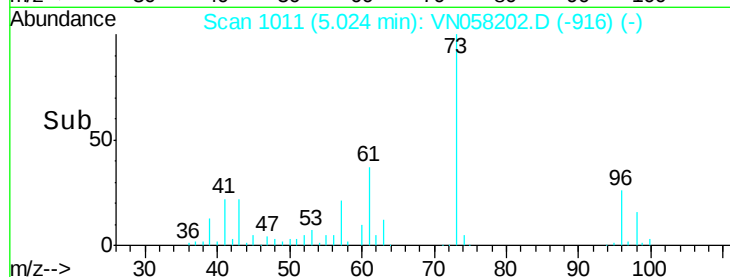
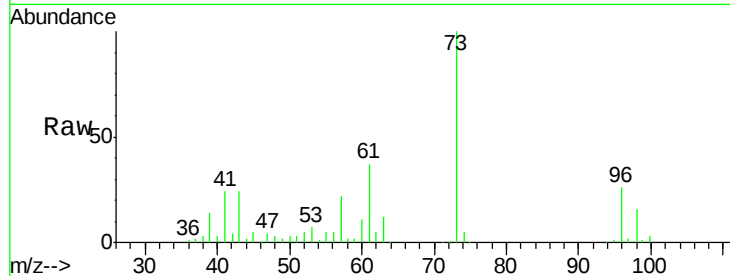
#21
trans-1,2-Dichloroethene
Concen: 19.681 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. 0.01 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.5	122.2	183.4
98	64.2	49.9	74.9

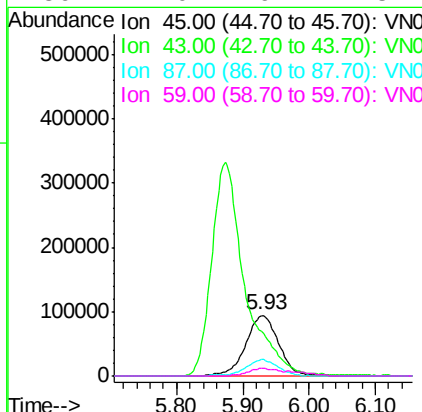
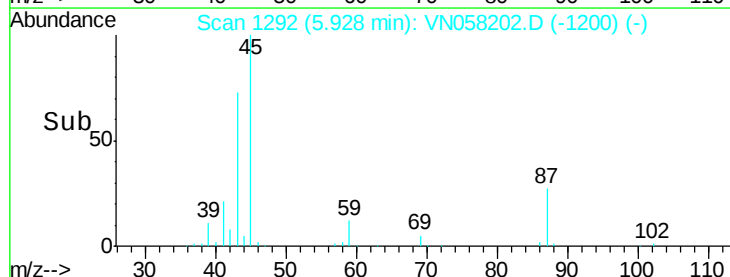
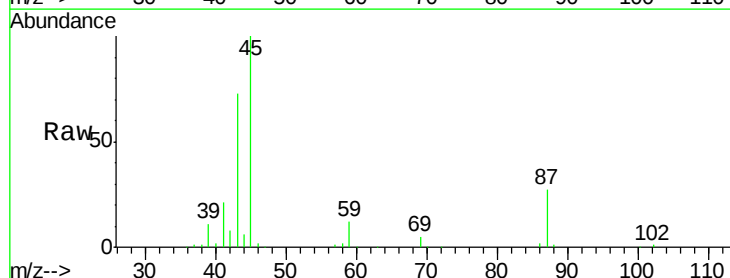
Manual Integrations
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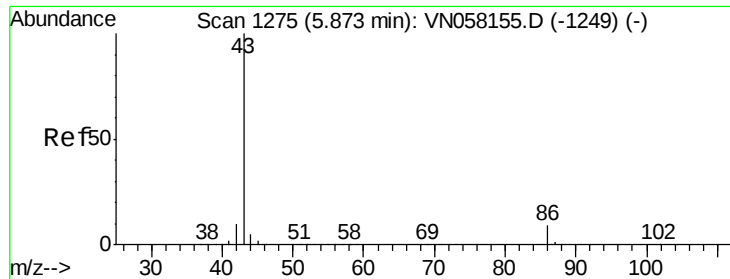
MMDadoda
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#22
Diisopropyl ether
Concen: 19.540 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
45	100		
43	71.4	49.7	74.5
87	26.8	20.7	31.1
59	12.0	9.1	13.7





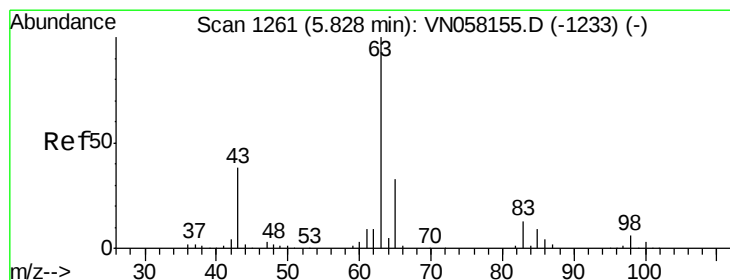
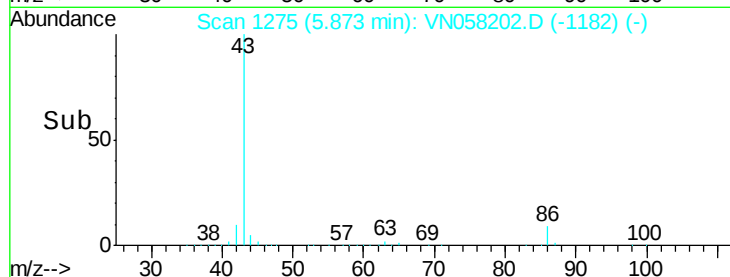
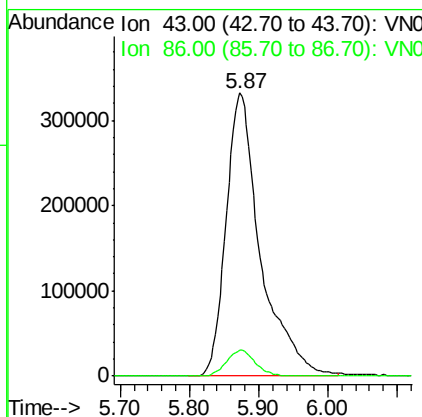
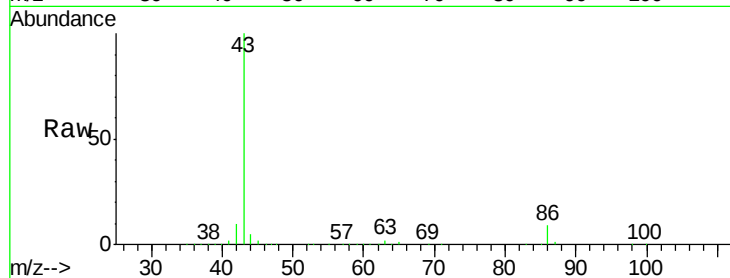
#23
 Vinyl Acetate
 Concen: 101.310 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion: 43 Resp: 1151138
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.4 11.2

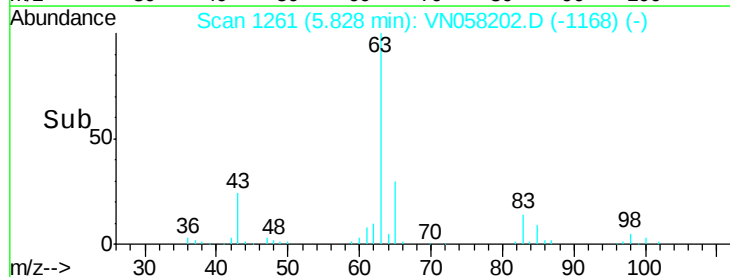
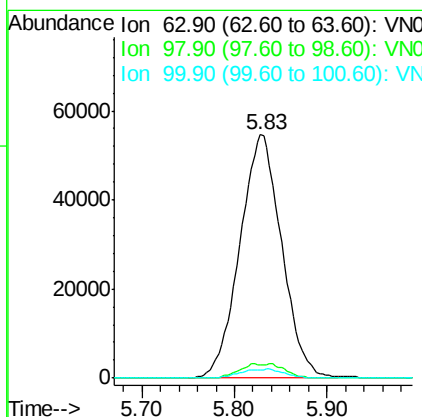
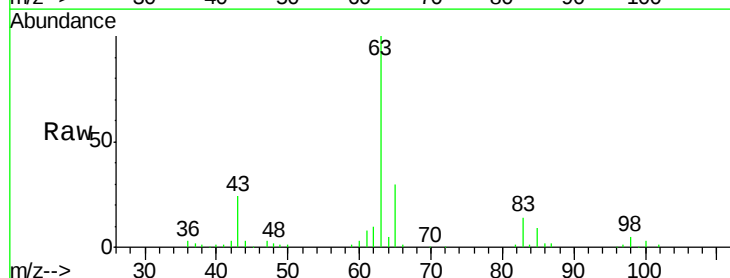
Manual Integrations
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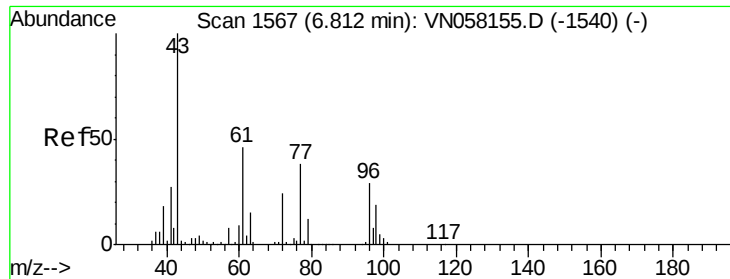
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 19.273 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 63 Resp: 170813
 Ion Ratio Lower Upper
 63 100
 98 5.3 2.9 8.6
 100 3.3 1.8 5.3





#25

2-Butanone

Concen: 94.029 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 43 Resp: 299288

Ion Ratio Lower Upper

43 100

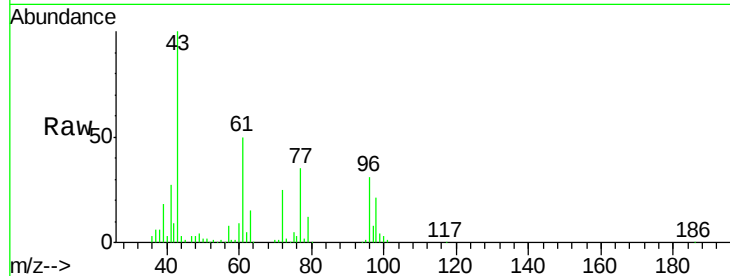
72 25.1 19.5 29.3

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

120000

100000

80000

60000

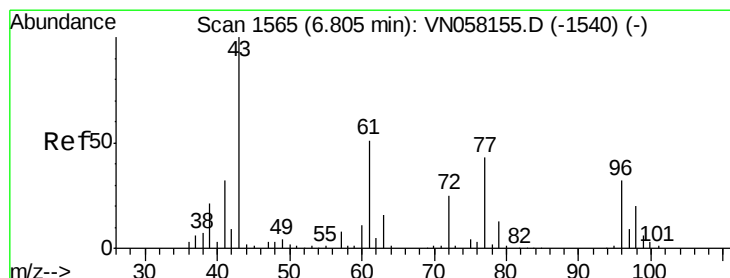
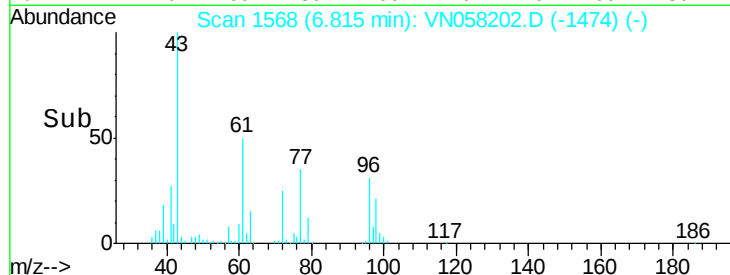
40000

20000

0

6.70 6.75 6.80 6.85 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 17.191 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058202.D

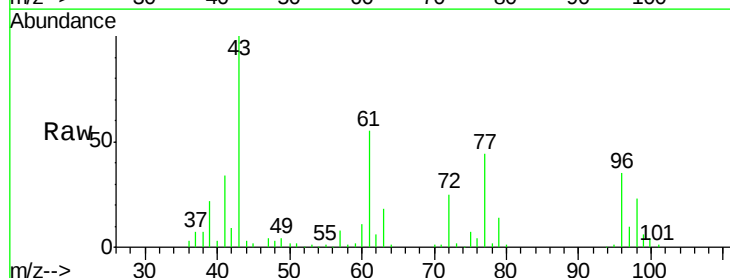
Acq: 19 Sep 2019 13:51

Tgt Ion: 77 Resp: 129254

Ion Ratio Lower Upper

77 100

97 22.0 10.5 31.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

40000

30000

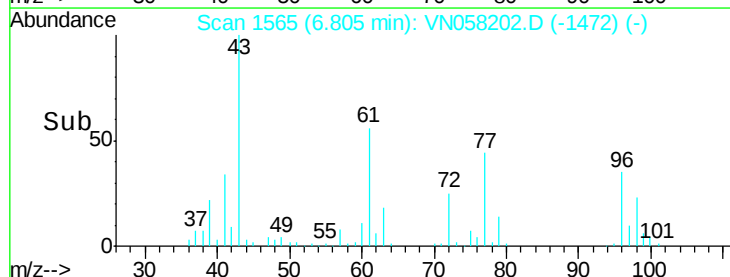
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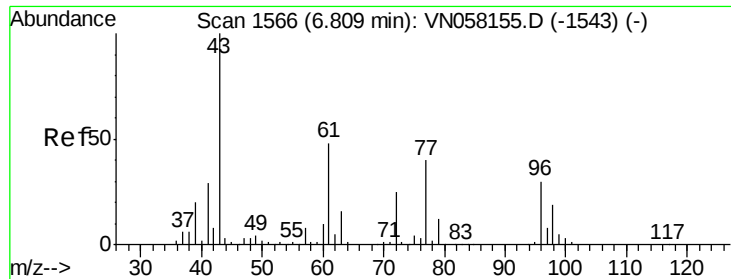
10000

0

6.70 6.80 6.90

Time-->





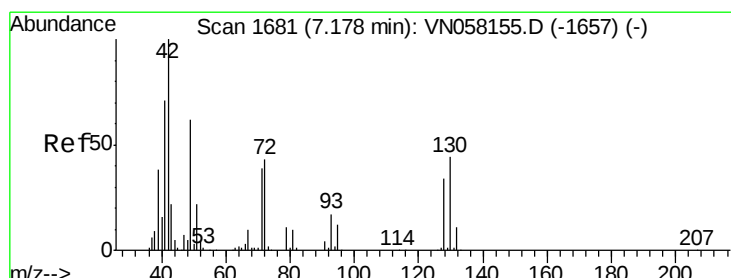
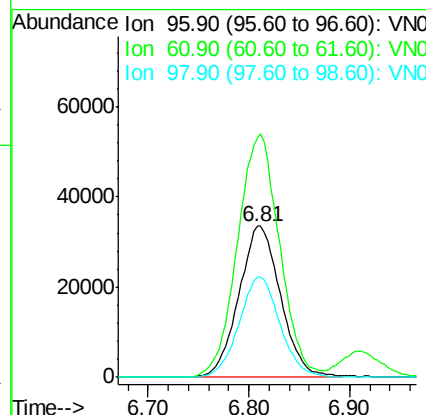
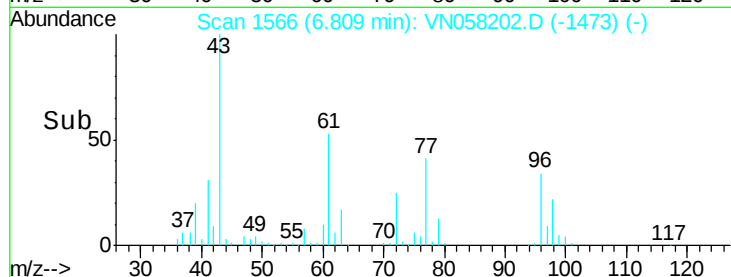
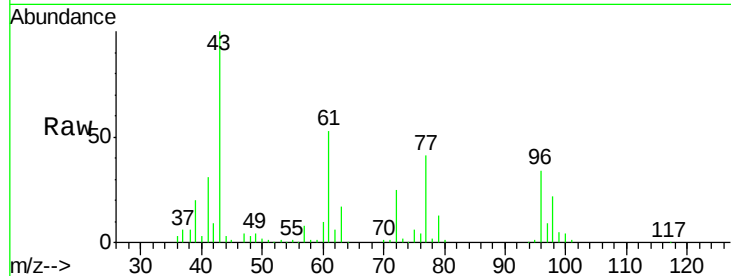
#27
 cis-1,2-Dichloroethene
 Concen: 19.222 ug/l
 RT: 6.81 min Scan# 1566
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.1	0.0	319.0	
98	64.9	0.0	126.6	

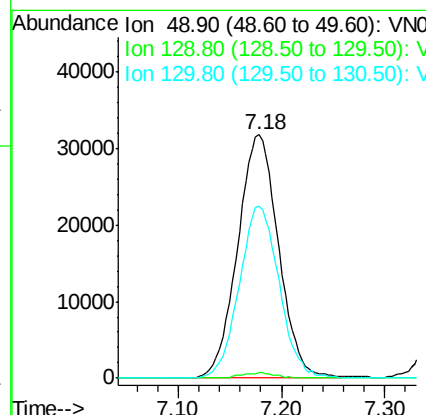
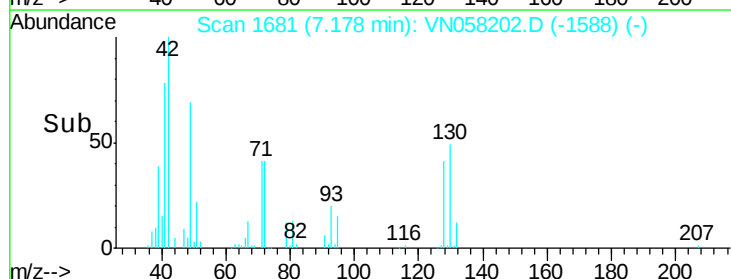
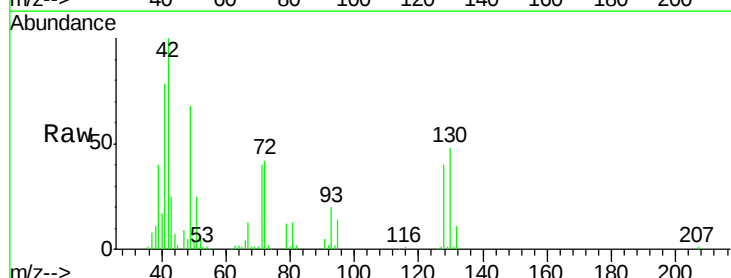
Manual Integrations
 APPROVED

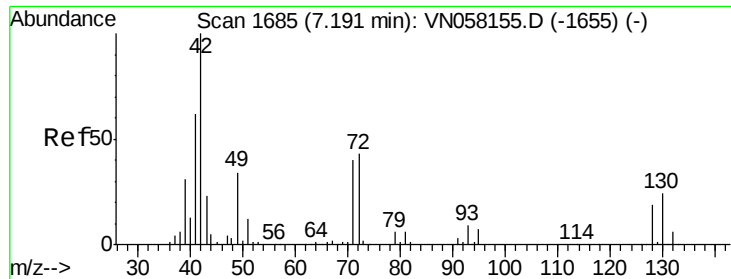
MMDadoda
 9/20/2019 3:37:23 PM



#28
 Bromochloromethane
 Concen: 20.926 ug/l
 RT: 7.18 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	1.8	
130	68.8	55.4	83.2	





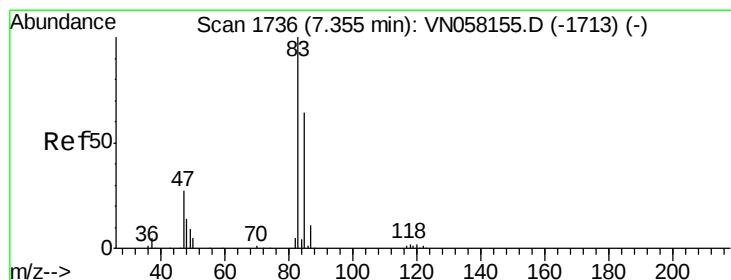
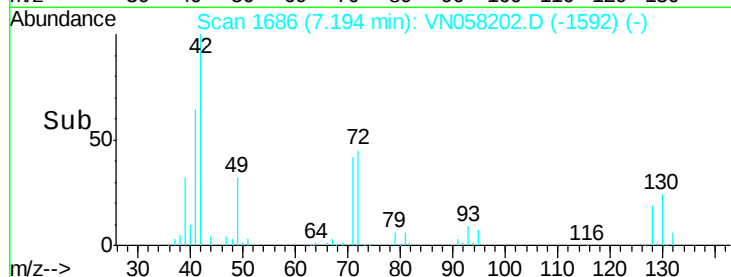
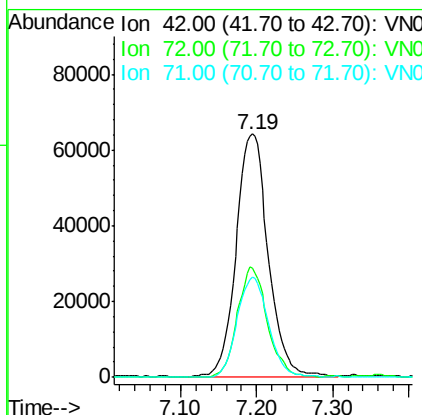
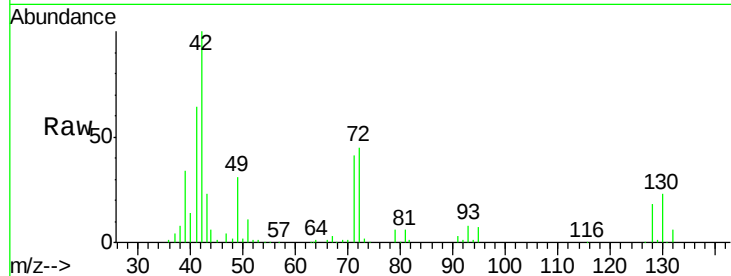
#29
Tetrahydrofuran
Concen: 96.558 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	189312		
72	42.1		33.8	50.6
71	40.3		31.4	47.0

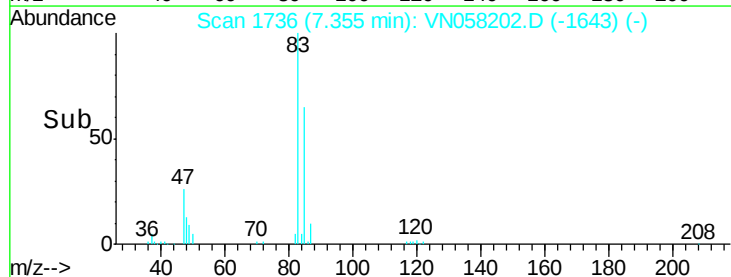
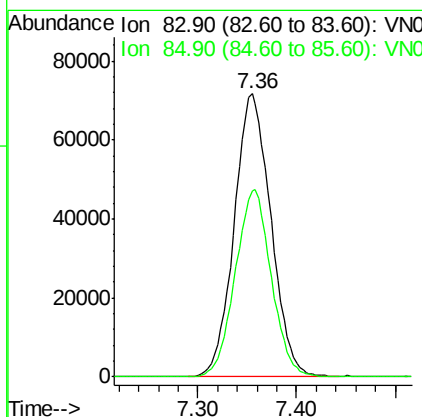
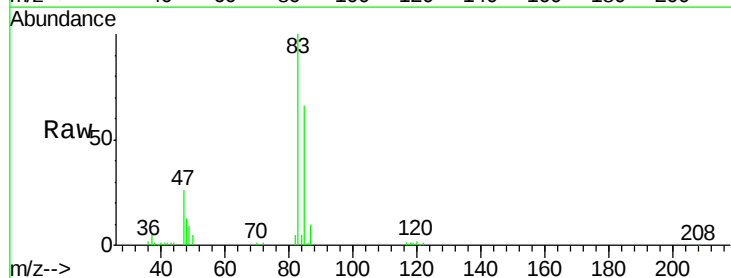
Manual Integrations
APPROVED

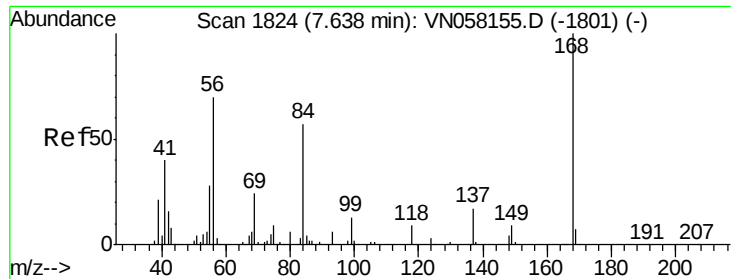
MMDadoda
9/20/2019 3:37:23 PM



#30
Chloroform
Concen: 19.418 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	185249		
85	65.7		51.4	77.2





#31

Cyclohexane

Concen: 18.997 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

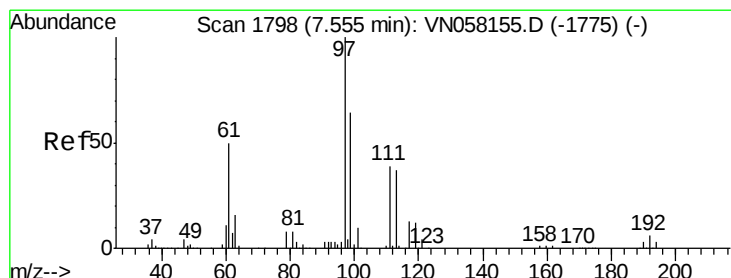
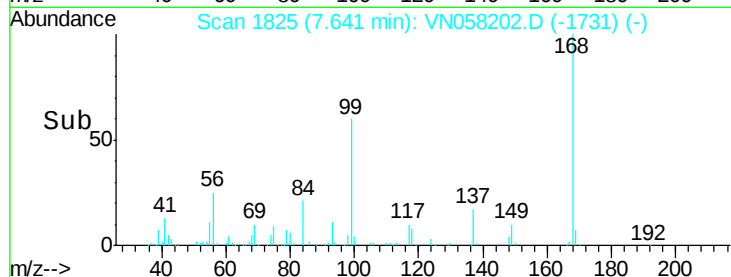
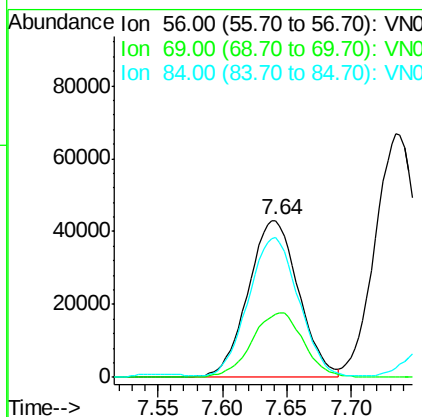
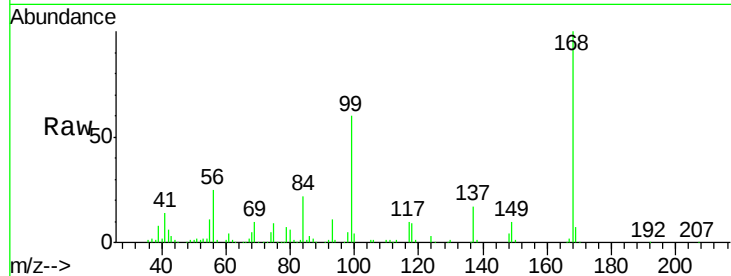
ClientSampleId :

VN0919WBSD01

Tot Ion:	56	Resp:	117409
Ion Ratio	Lower	Upper	
56	100		
69	40.3	27.3	40.9
84	87.8	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.647 ug/l

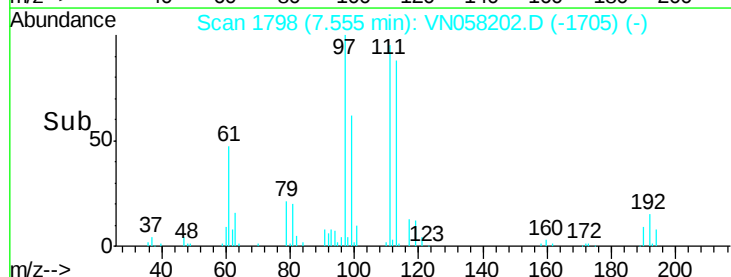
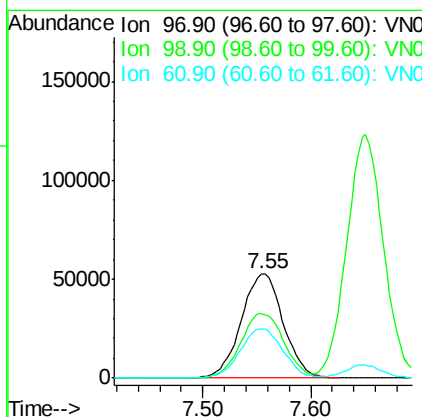
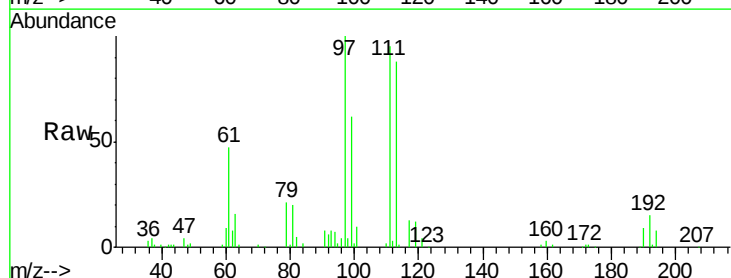
RT: 7.55 min Scan# 1798

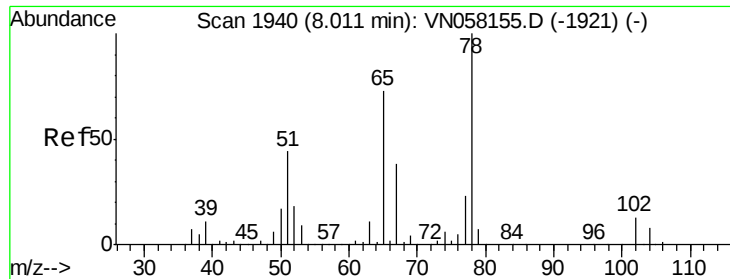
Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion:	97	Resp:	142684
Ion Ratio	Lower	Upper	
97	100		
99	63.6	50.9	76.3
61	48.4	39.2	58.8





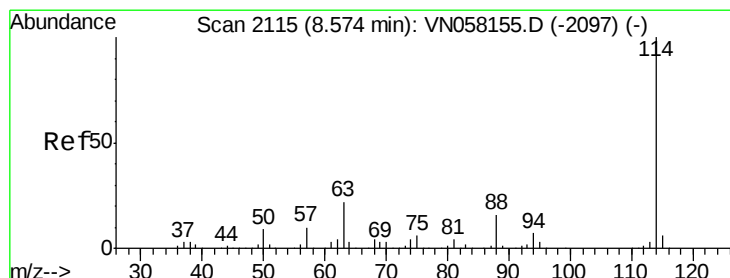
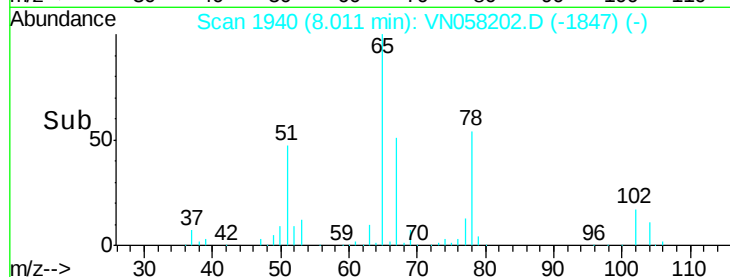
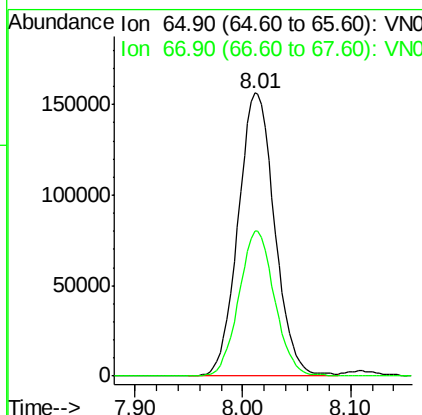
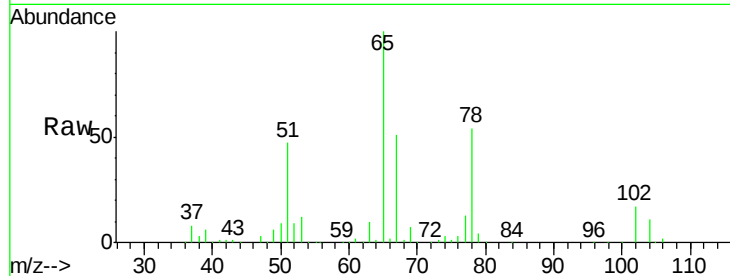
#33
 1,2-Dichloroethane-d4
 Concen: 53.541 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	368509		
67	50.0	0.0	103.4	

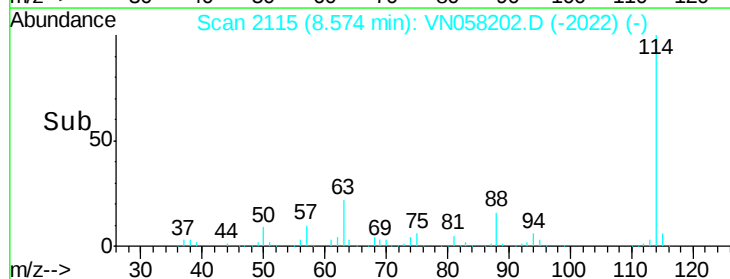
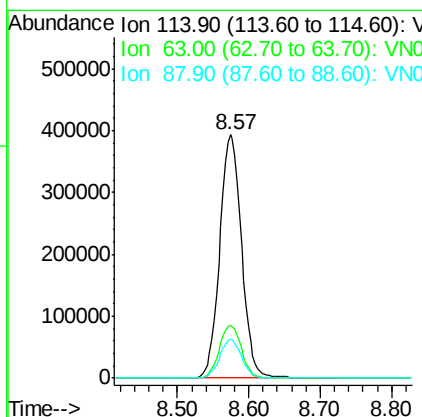
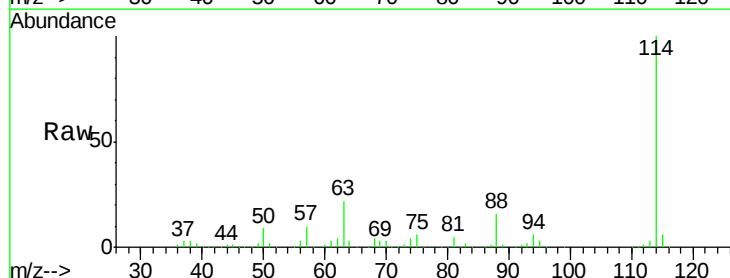
Manual Integrations
 APPROVED

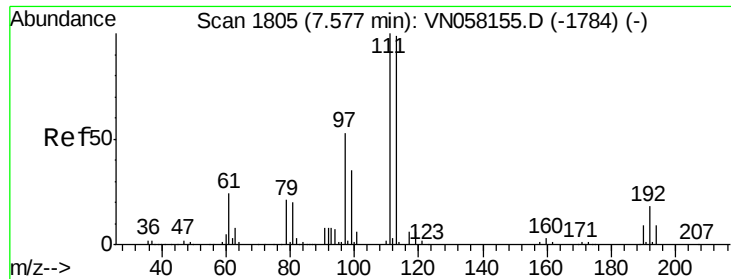
MMDadoda
 9/20/2019 3:37:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	833376		
63	21.9	0.0	44.2	
88	16.1	0.0	31.6	





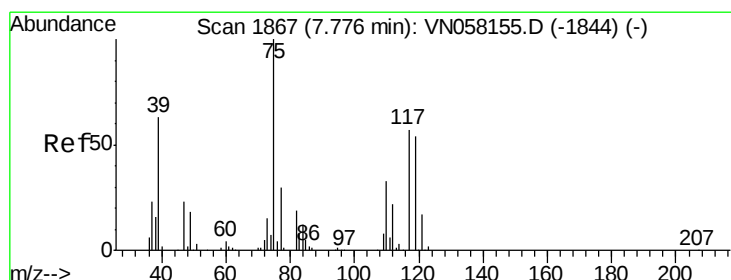
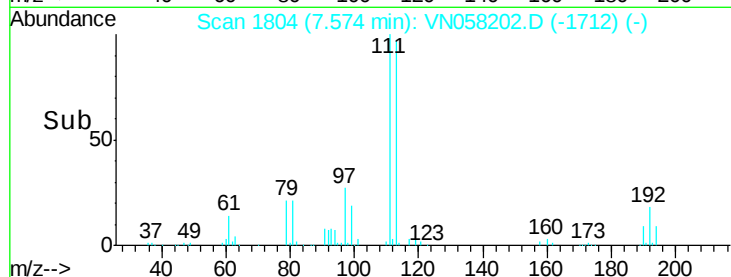
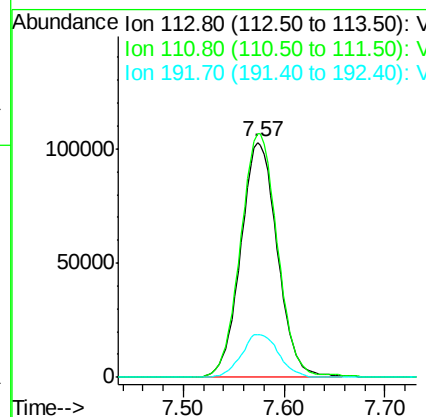
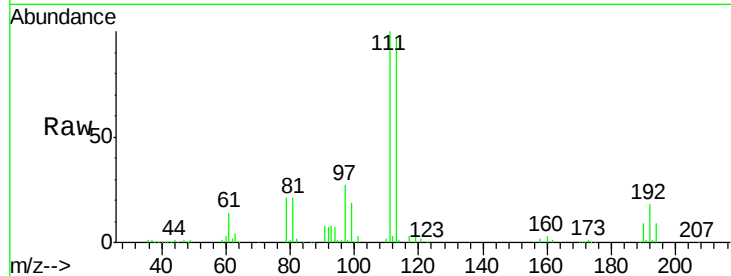
#35
 Dibromofluoromethane
 Concen: 51.076 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	258762		
111	104.1	81.8	122.6	
192	18.6	14.5	21.7	

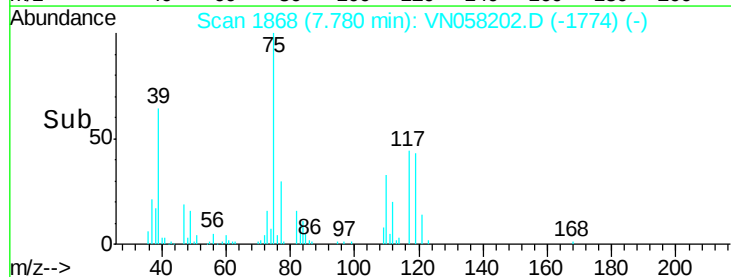
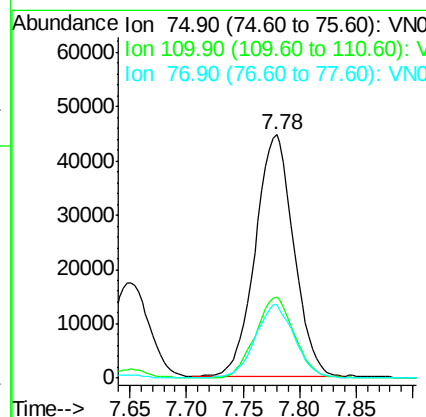
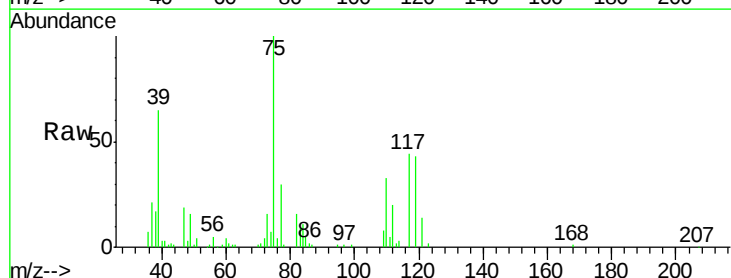
Manual Integrations
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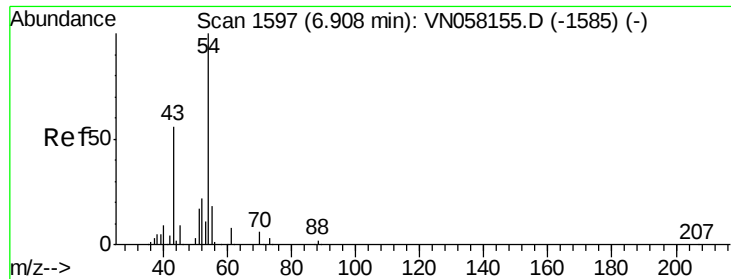
MMDadoda
 9/20/2019 3:37:23 PM



#36
 1,1-Dichloropropene
 Concen: 17.430 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	104752		
110	34.3	16.6	49.7	
77	31.3	24.3	36.5	





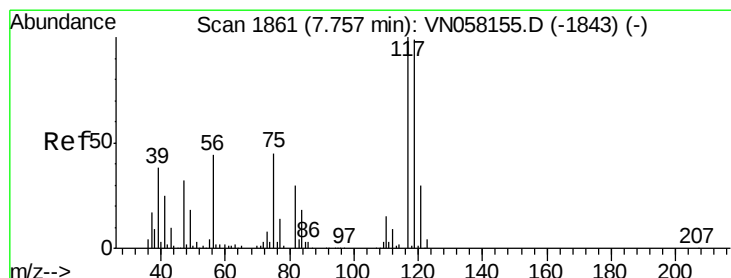
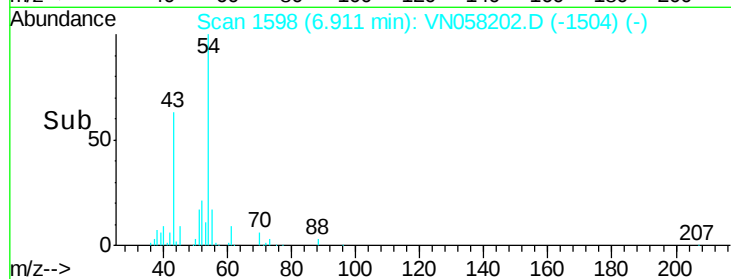
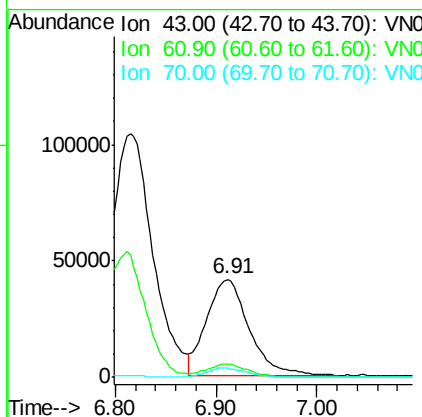
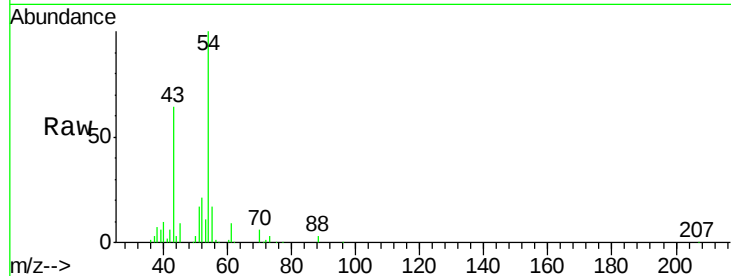
#37
Ethyl Acetate
Concen: 19.652 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	122570		
61	12.7		10.7	16.1
70	8.9		7.6	11.4

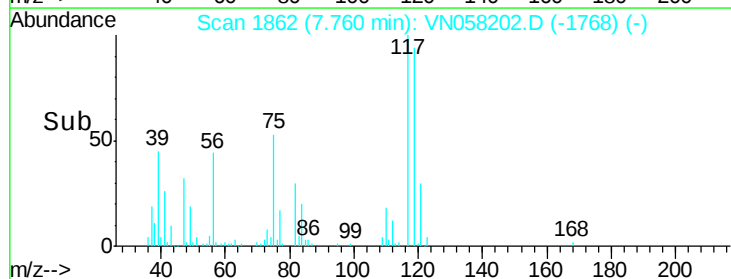
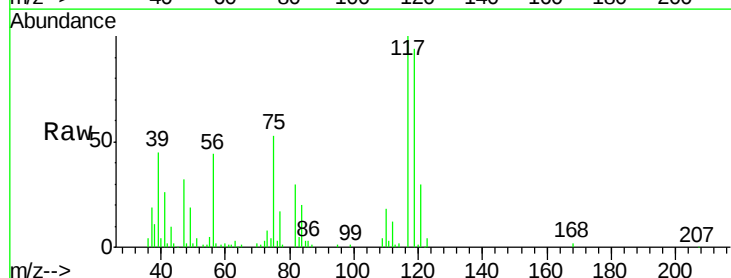
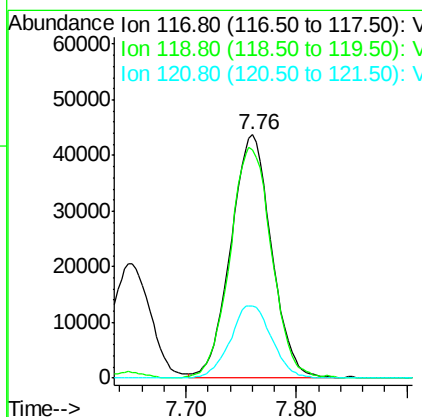
Manual Integrations
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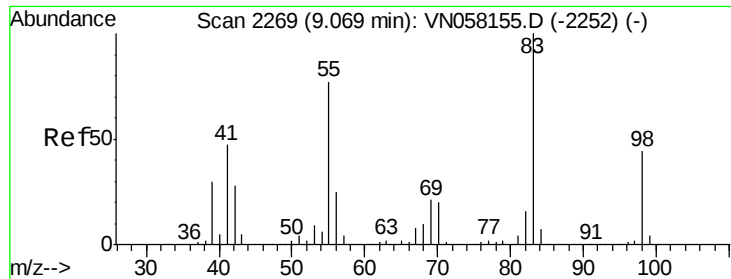
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.543 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	112022		
119	93.7		78.6	117.8
121	29.8		24.1	36.1





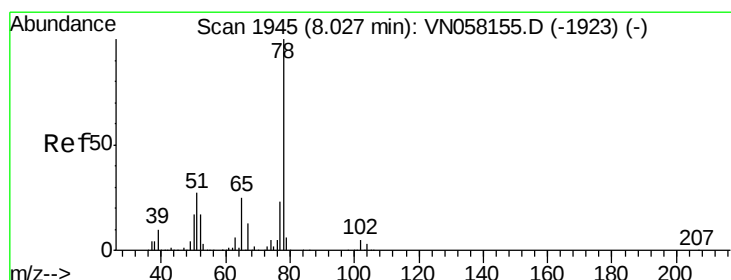
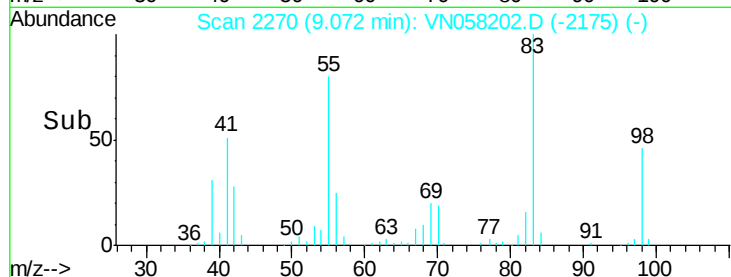
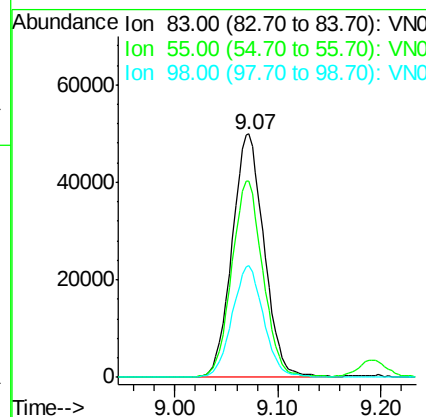
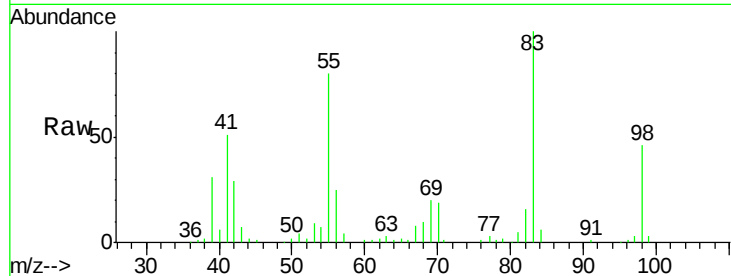
#39
Methvlcvclohexane
Concen: 18.590 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	61.9	92.9
98	45.8	35.4	53.2

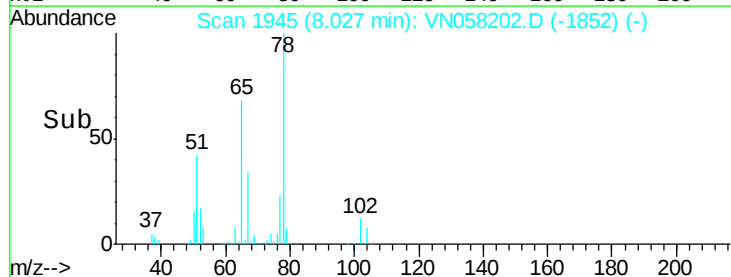
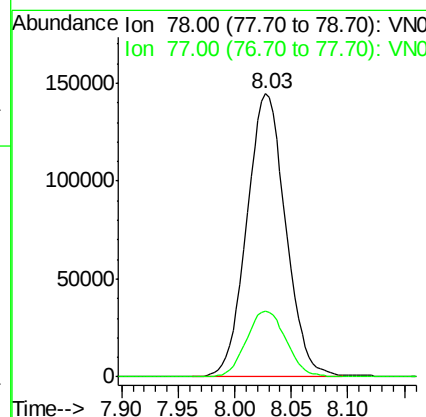
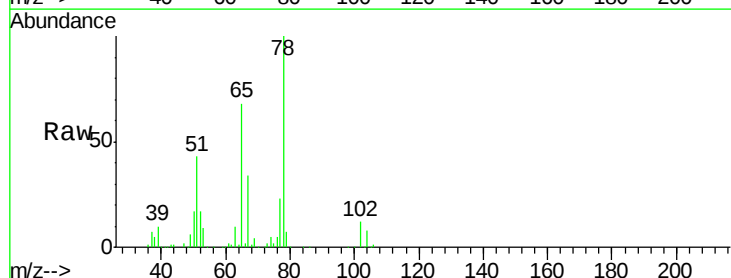
Manual Integrations
APPROVED

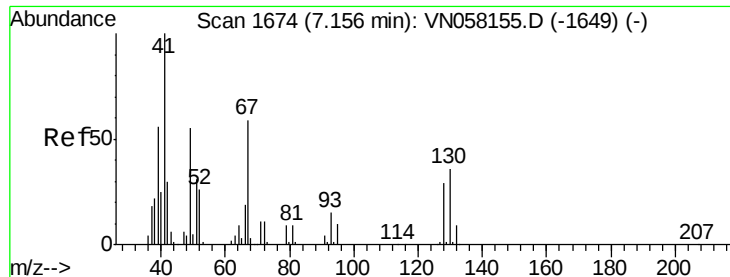
MMDadoda
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#40
Benzene
Concen: 18.876 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.8	28.2





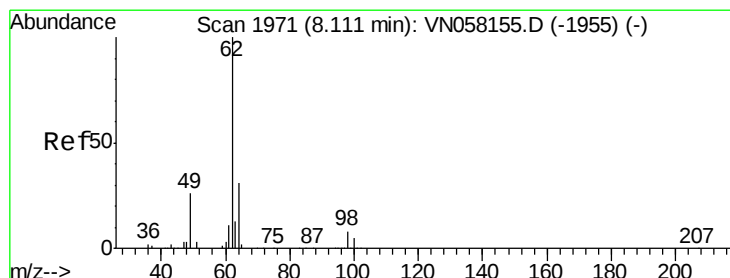
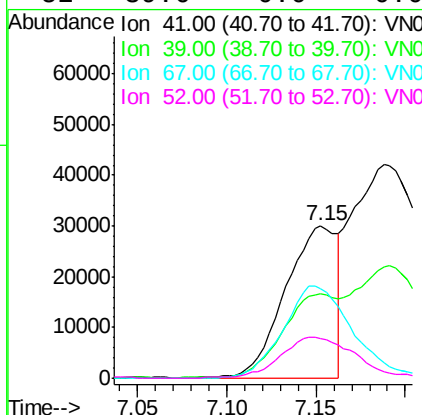
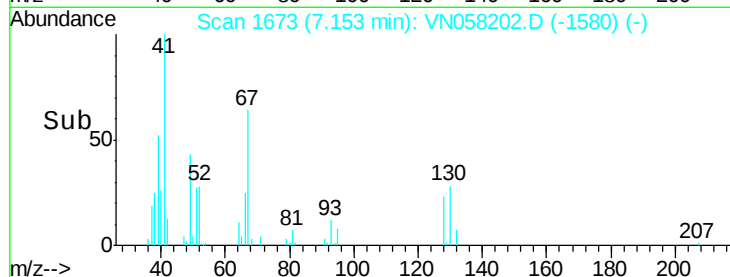
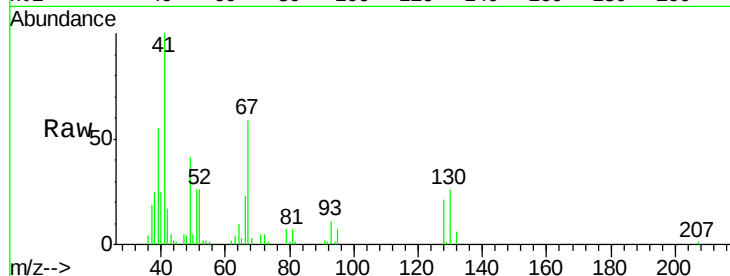
#41
Methacrylonitrile
Concen: 19.873 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		60683		
39	56.6	0.0	0.0#		
67	82.3	0.0	0.0#		
52	39.6	0.0	0.0#		

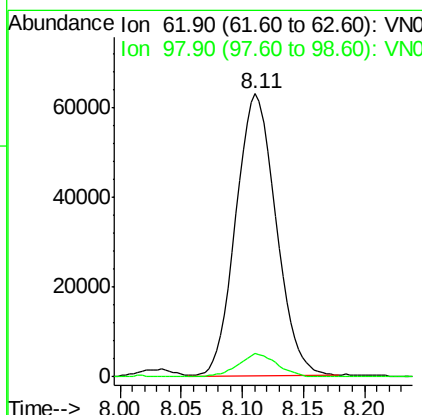
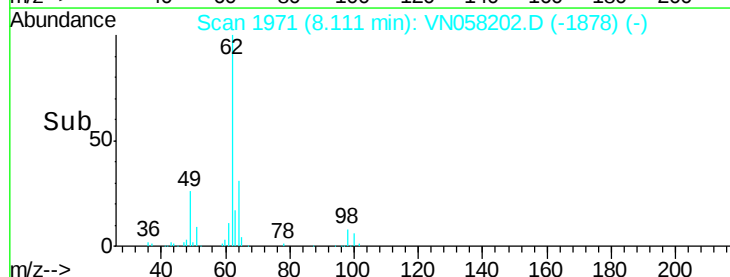
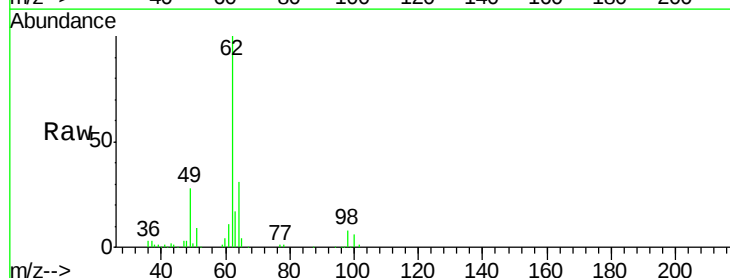
Manual Integrations
APPROVED

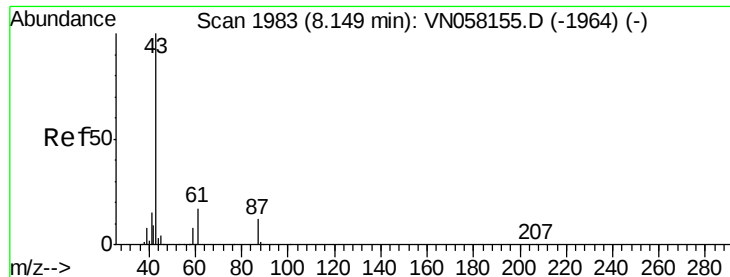
MMDadoda
9/20/2019 3:37:23 PM



#42
1,2-Dichloroethane
Concen: 18.671 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		143811		
98	8.0	0.0	15.6		





#43

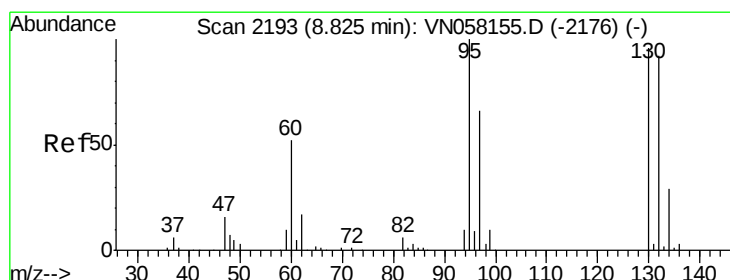
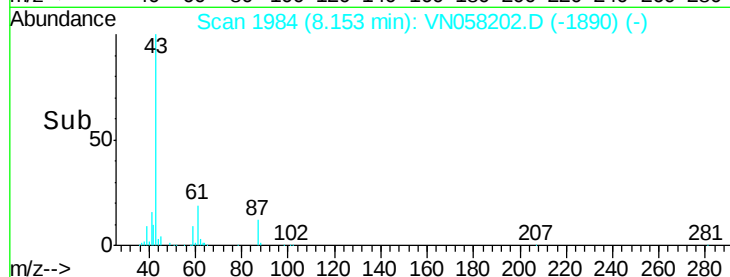
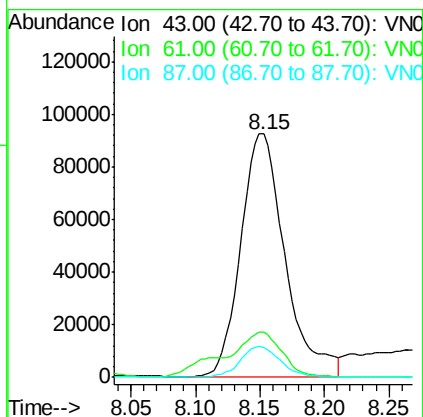
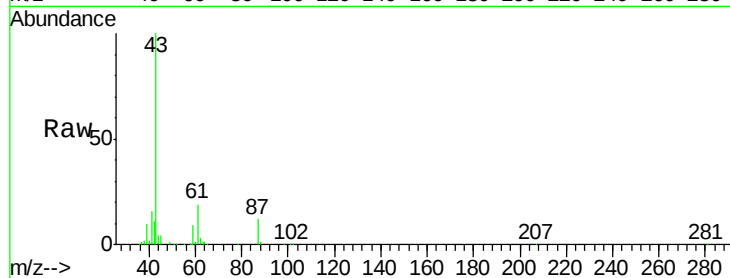
Isopropyl Acetate
 Concen: 18.931 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	19.7	29.5
87	11.6	9.4	14.2

Manual Integrations
 APPROVED

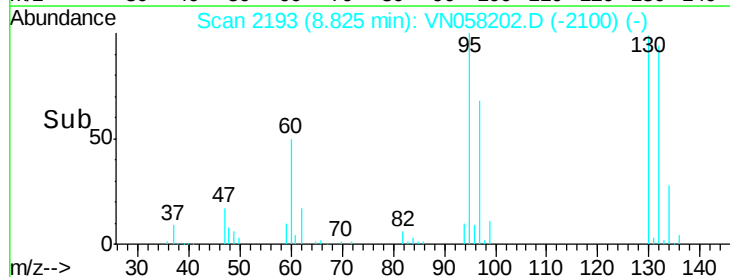
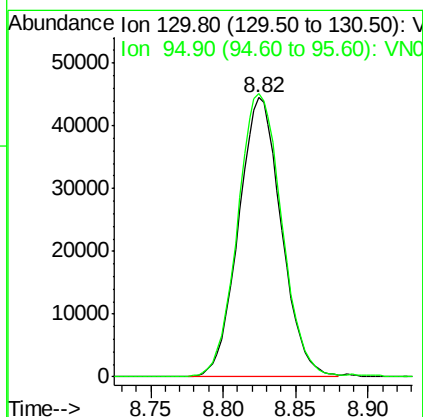
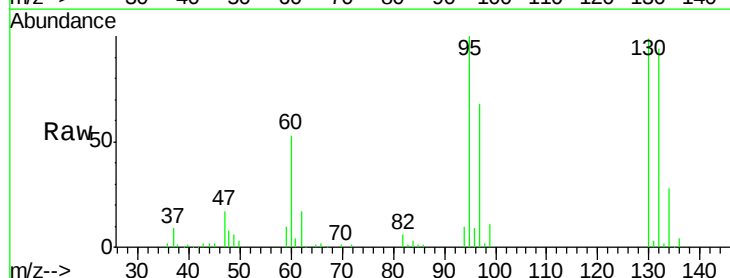
MMDadoda
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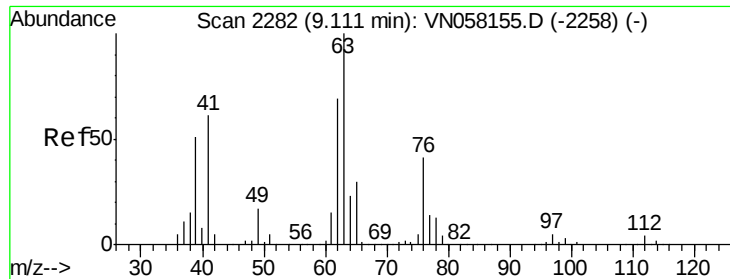


#44

Trichloroethene
 Concen: 20.299 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.4	0.0	207.8





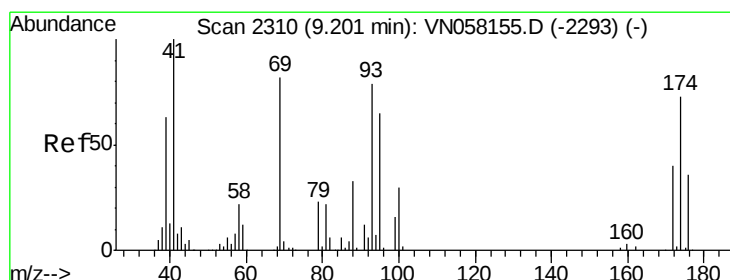
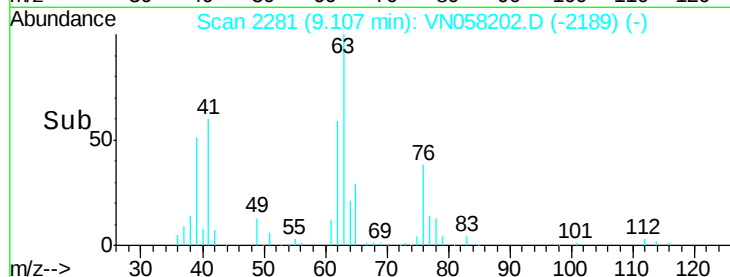
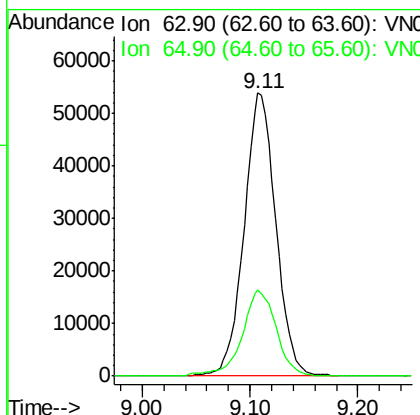
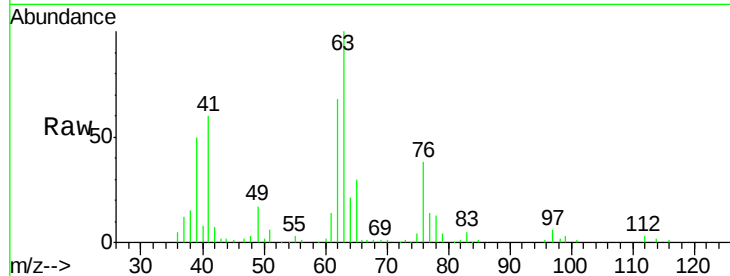
#45
 1,2-Dichloropropane
 Concen: 20.070 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion: 63 Resp: 110021
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.8 35.6

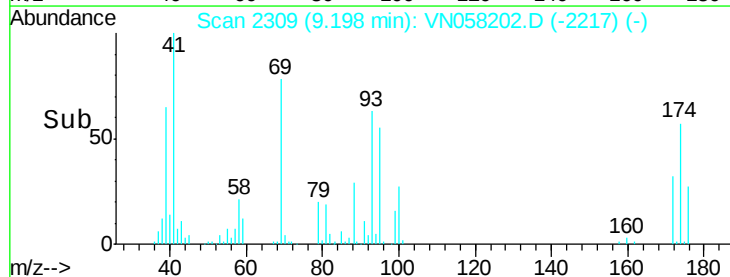
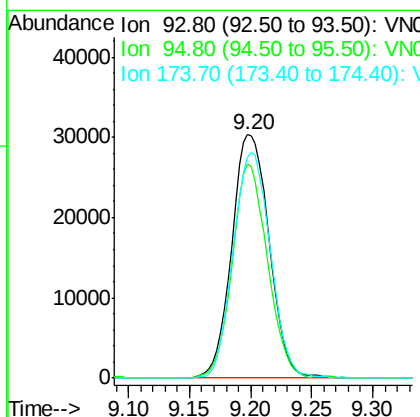
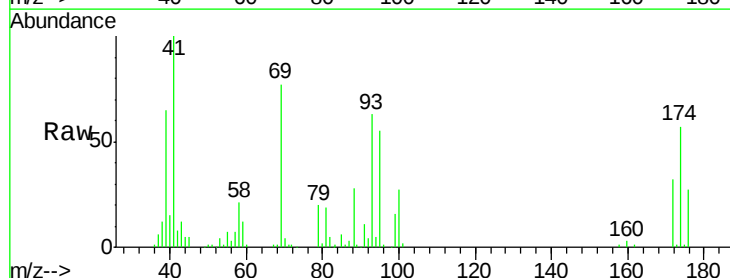
Manual Integrations
 APPROVED

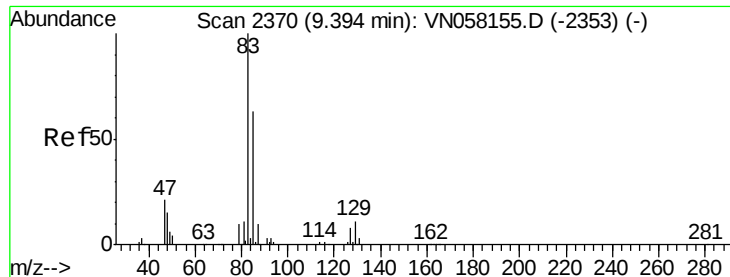
MMDadoda
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#46
 Dibromomethane
 Concen: 19.320 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion: 93 Resp: 64390
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.8 100.2
 174 92.0 73.8 110.8





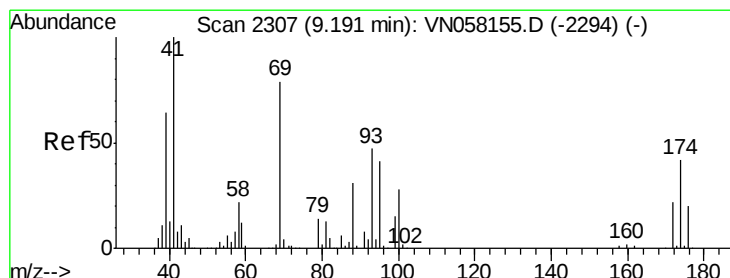
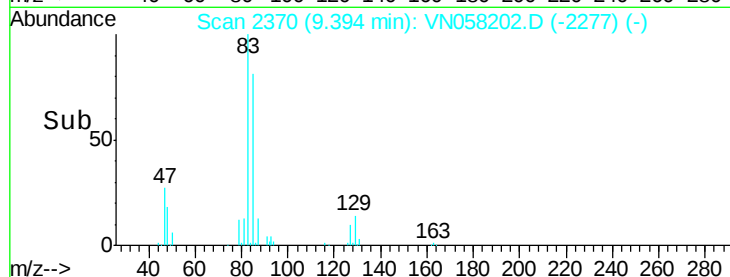
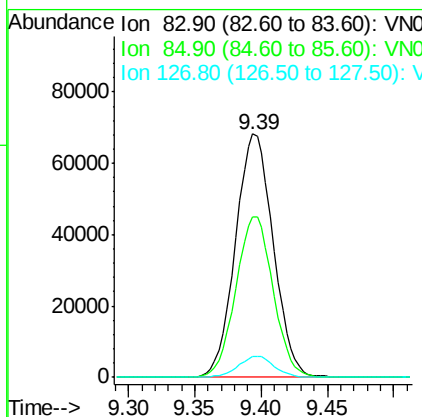
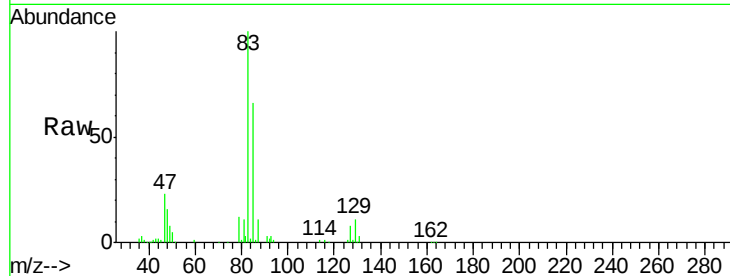
#47
Bromodichloromethane
Concen: 19.367 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	135225		
85	65.8	50.1	75.1	
127	8.4	6.4	9.6	

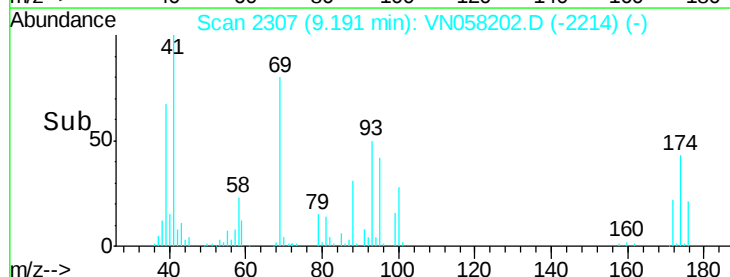
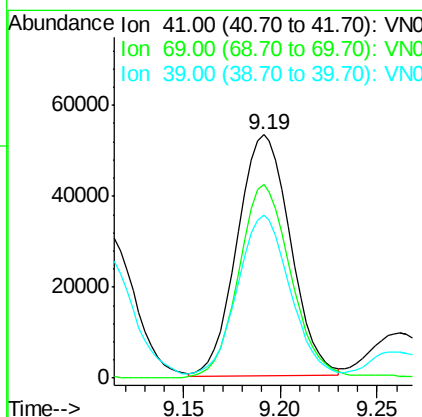
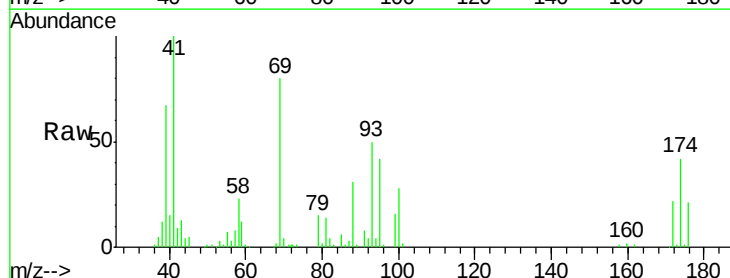
Manual Integrations
APPROVED

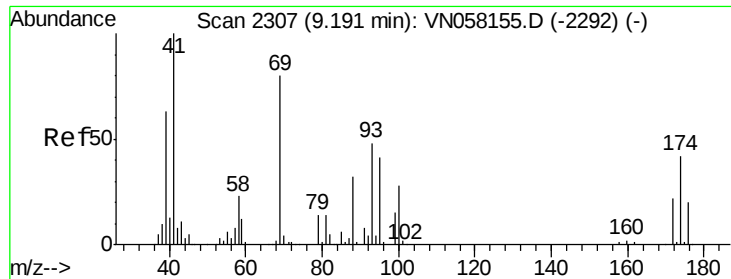
MMDadoda
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#48
Methyl methacrylate
Concen: 19.281 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	101972		
69	78.8	62.5	93.7	
39	66.9	52.3	78.5	





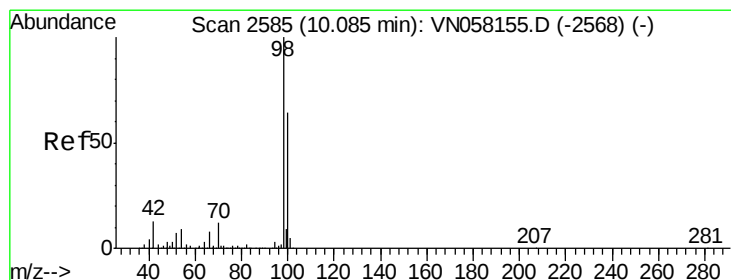
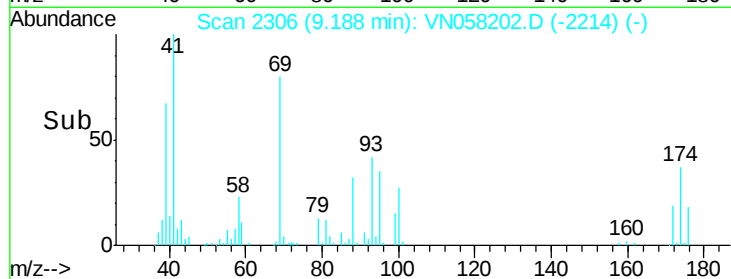
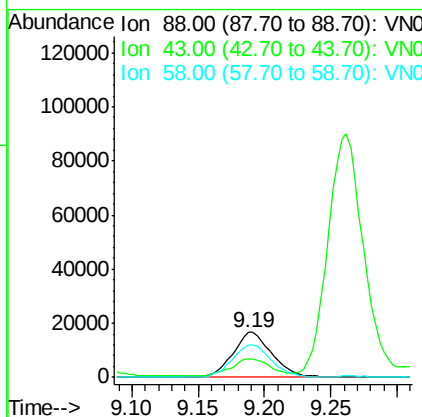
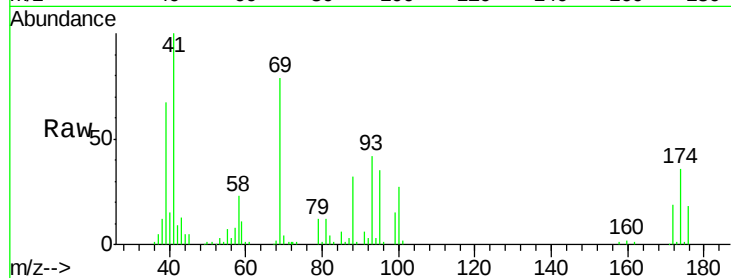
#49
 1,4-Dioxane
 Concen: 392.266 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	88	Resp	34061
Ion	Ratio	Lower	Upper
88	100		
43	37.9	27.8	41.8
58	72.5	55.0	82.4

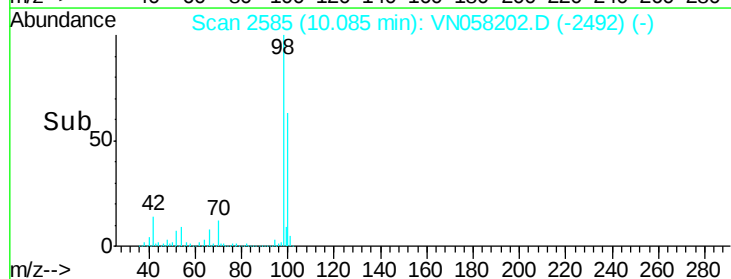
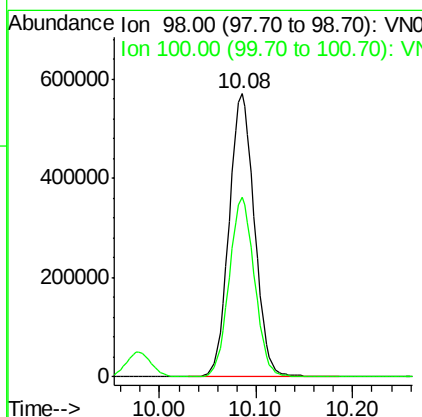
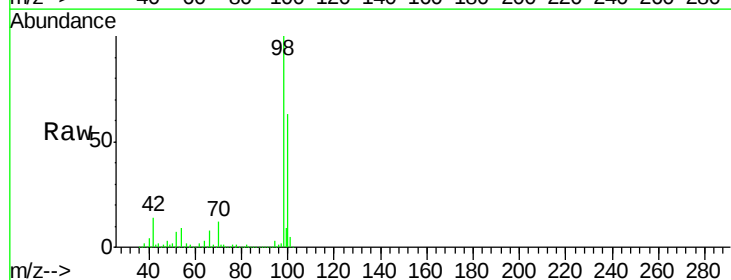
Manual Integrations
 APPROVED

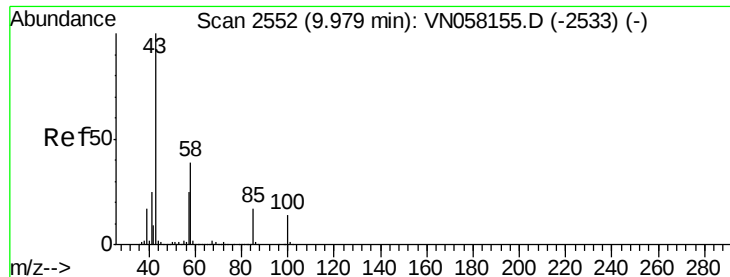
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#50
 Toluene-d8
 Concen: 52.566 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	98	Resp	1037603
Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 108.894 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 43 Resp: 673727

Ion Ratio Lower Upper

43 100

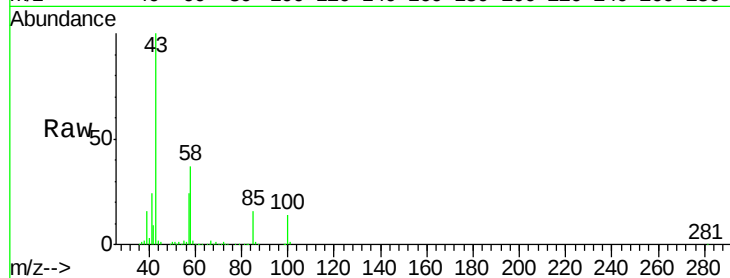
58 36.8 30.2 45.4

Manual Integrations

APPROVED

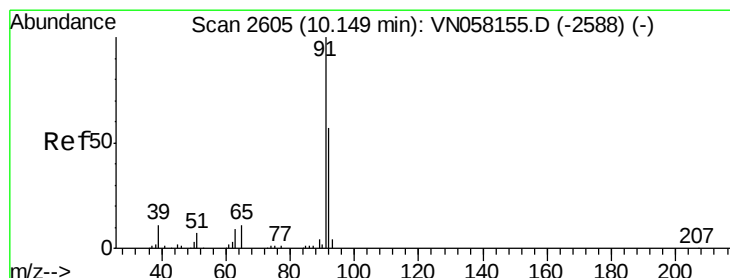
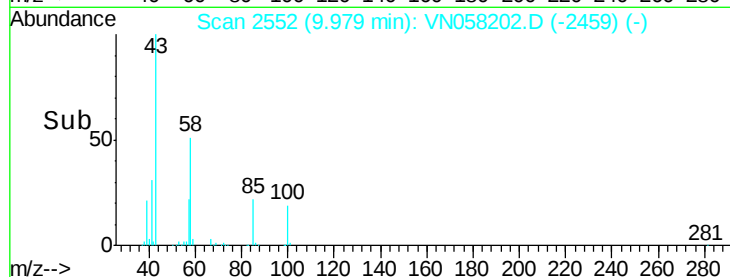
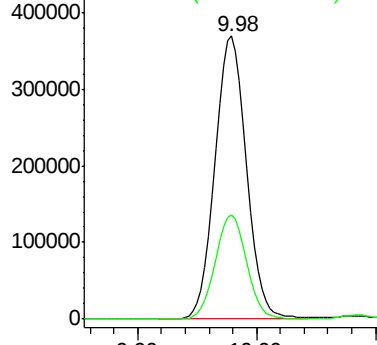
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.058 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058202.D

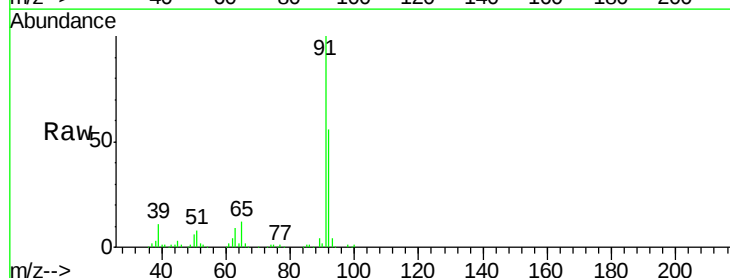
Acq: 19 Sep 2019 13:51

Tgt Ion: 92 Resp: 219242

Ion Ratio Lower Upper

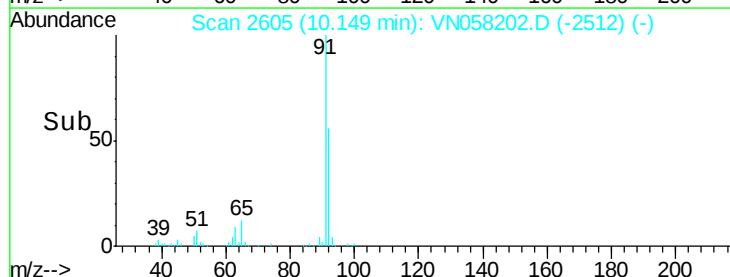
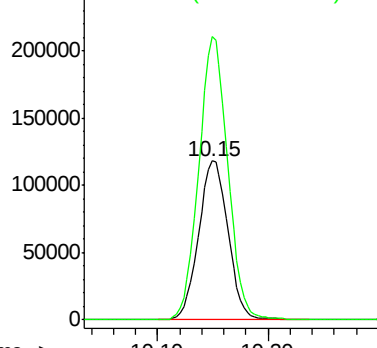
92 100

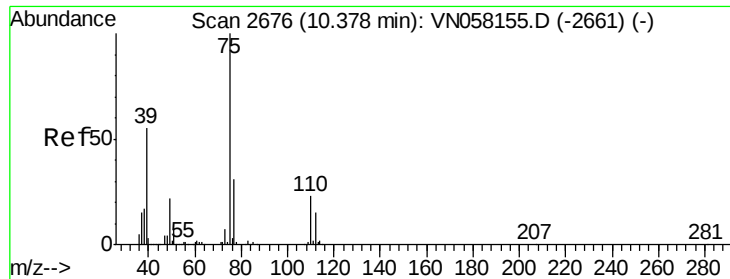
91 174.9 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





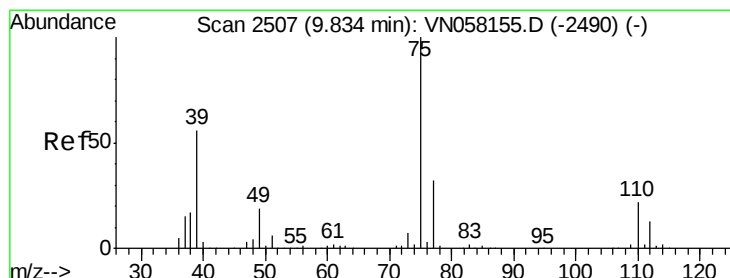
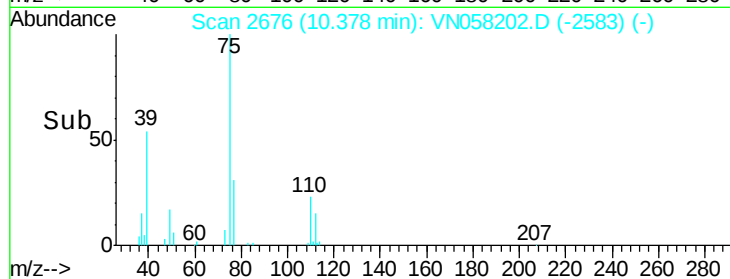
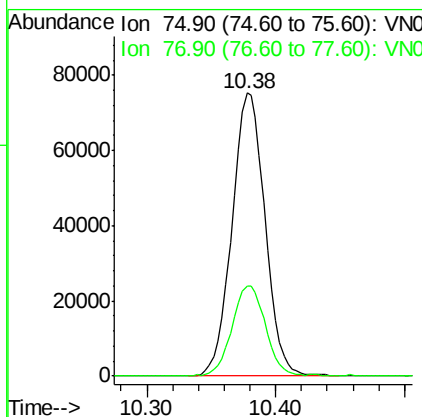
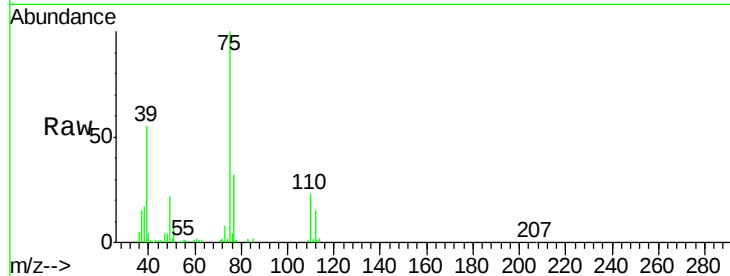
#53
t-1,3-Dichloropropene
Concen: 18.666 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.9	37.3

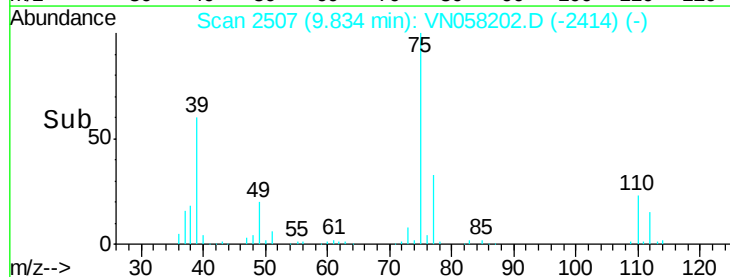
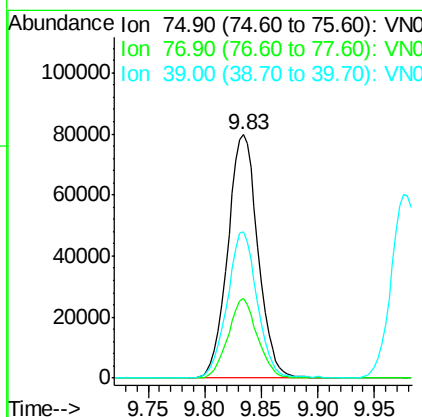
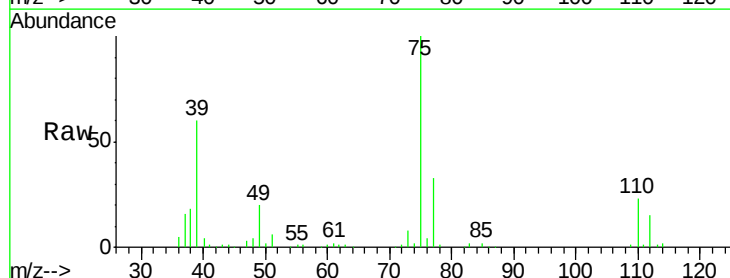
Manual Integrations
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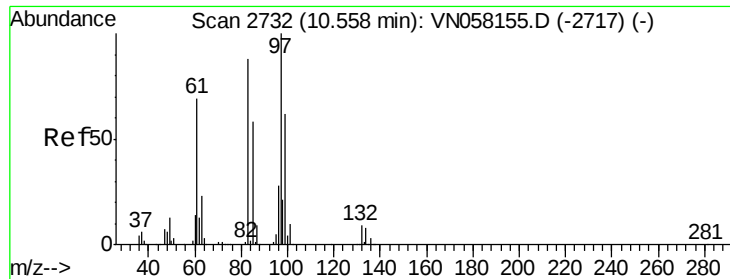
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#54
cis-1,3-Dichloropropene
Concen: 18.784 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	60.3	45.0	67.6





#55

1,1,2-Trichloroethane

Concen: 19.921 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

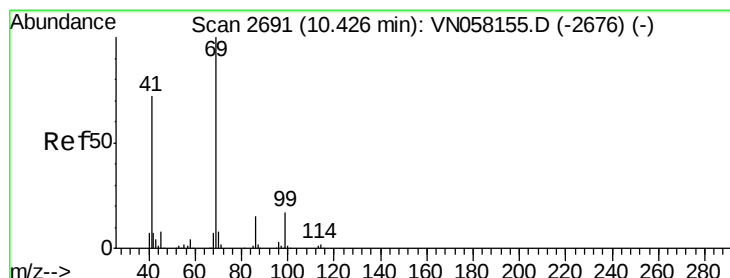
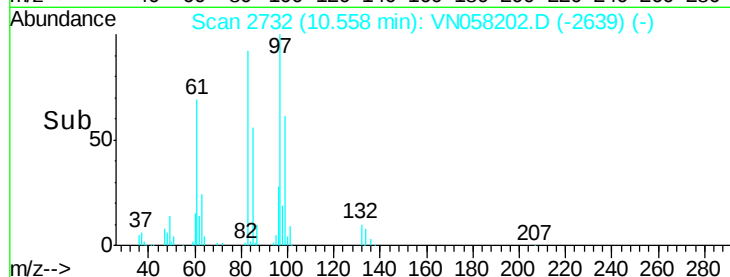
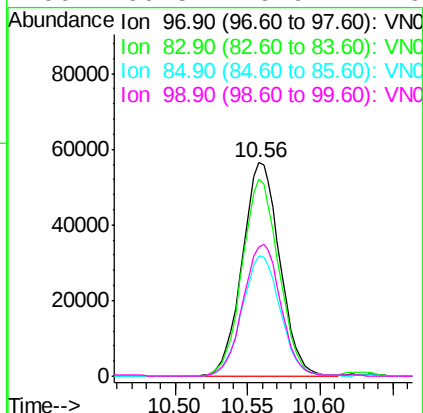
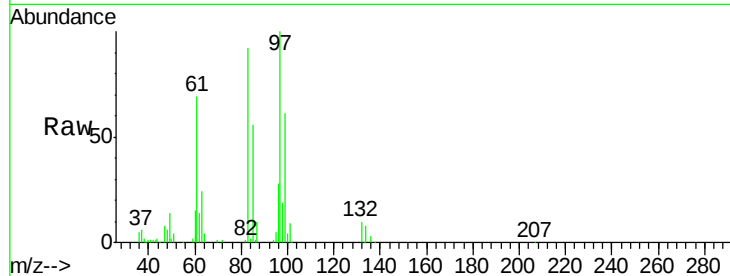
ClientSampleId :

VN0919WBSD01

Tot Ion:	97	Resp:	101700
Ion	Ratio	Lower	Upper
97	100		
83	92.1	70.4	105.6
85	56.2	46.8	70.2
99	60.5	49.9	74.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.494 ug/l

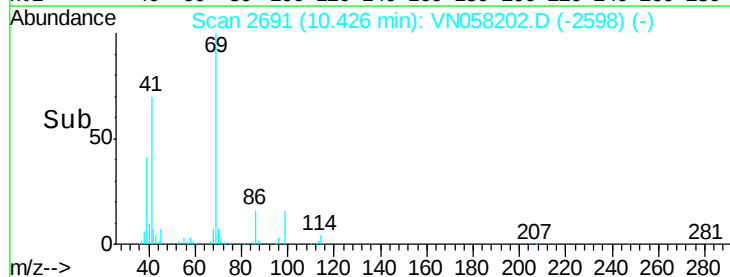
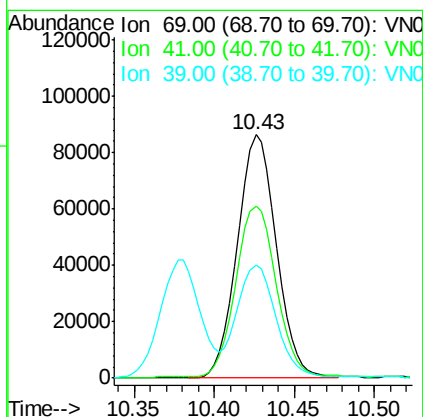
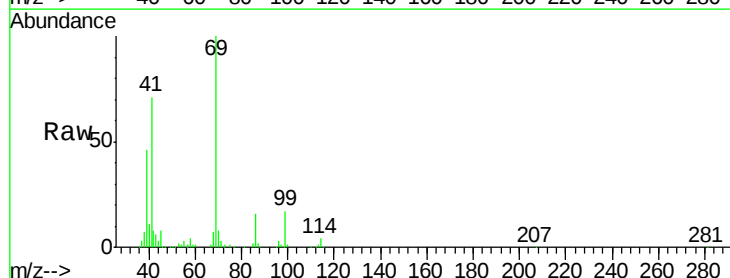
RT: 10.43 min Scan# 2691

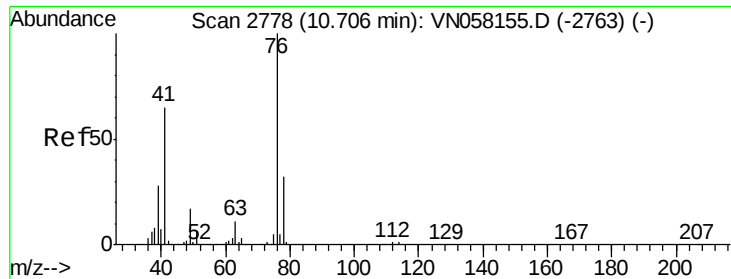
Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion:	69	Resp:	143594
Ion	Ratio	Lower	Upper
69	100		
41	72.8	57.5	86.3
39	46.0	36.1	54.1





#57

1,3-Dichloropropane

Concen: 19.770 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion: 76 Resp: 173507

Ion Ratio Lower Upper

76 100

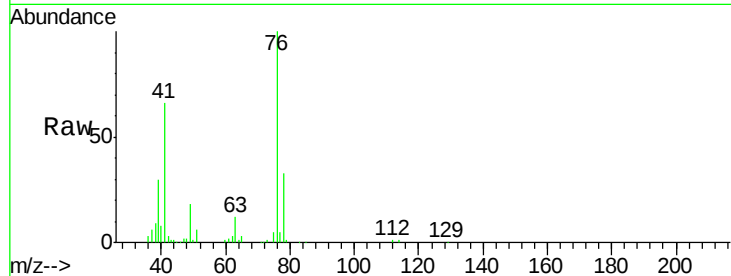
78 32.1 25.4 38.0

Manual Integrations

APPROVED

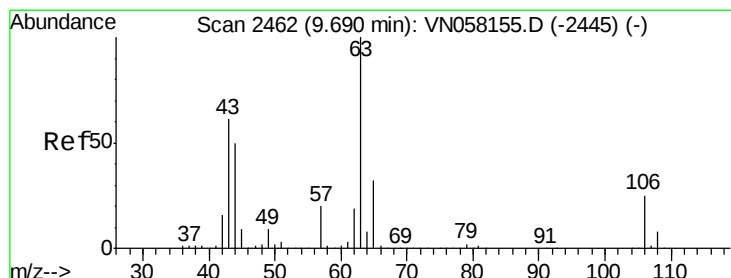
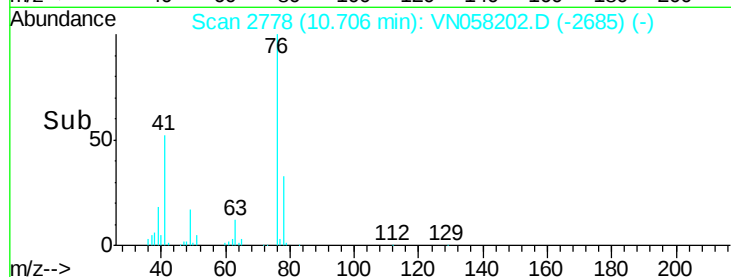
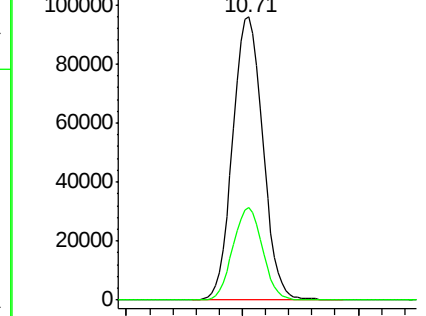
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 101.624 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. -0.00 min

Lab File: VN058202.D

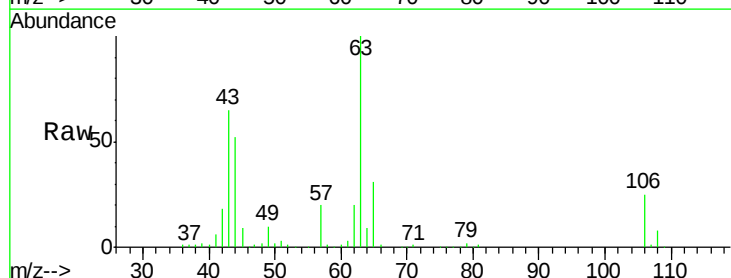
Acq: 19 Sep 2019 13:51

Tgt Ion: 63 Resp: 356559

Ion Ratio Lower Upper

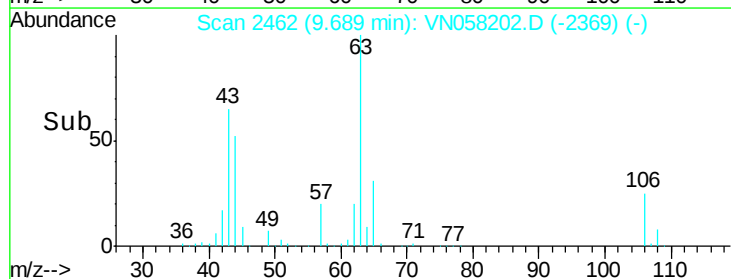
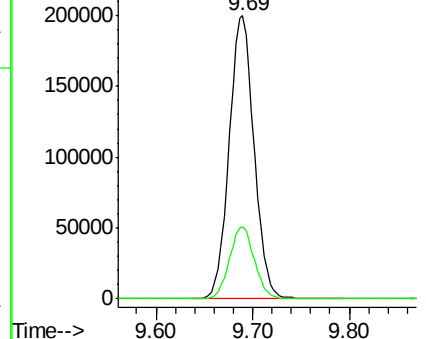
63 100

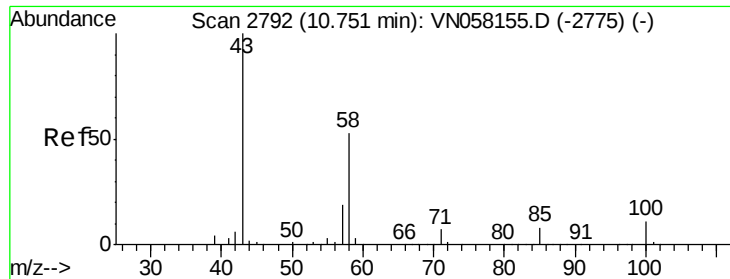
106 25.5 19.9 29.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





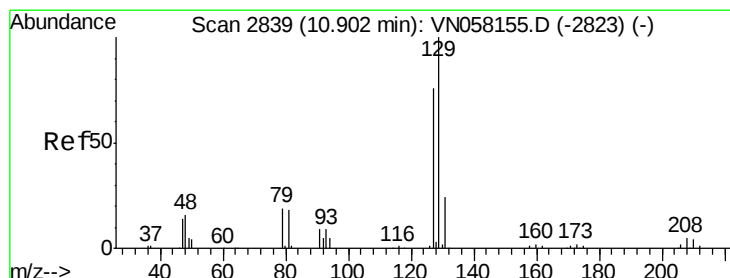
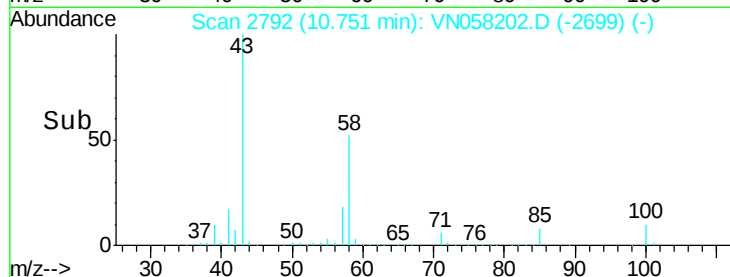
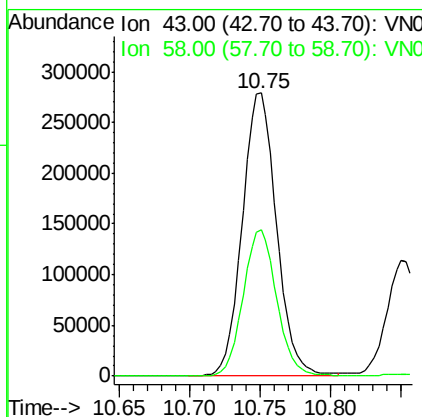
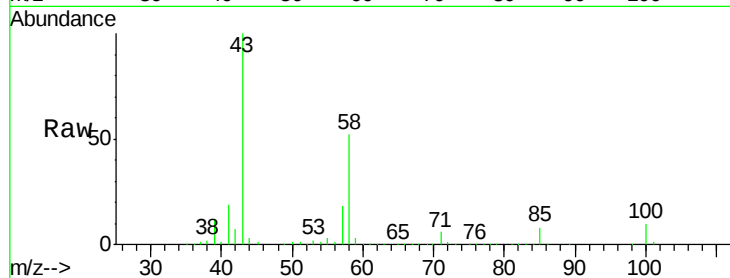
#59
2-Hexanone
Concen: 102.884 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion: 43 Resp: 472752
Ion Ratio Lower Upper
43 100
58 51.1 26.0 78.0

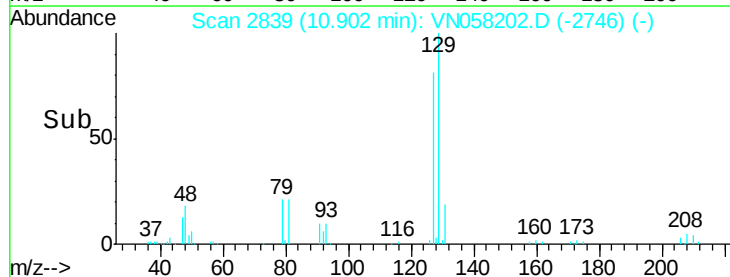
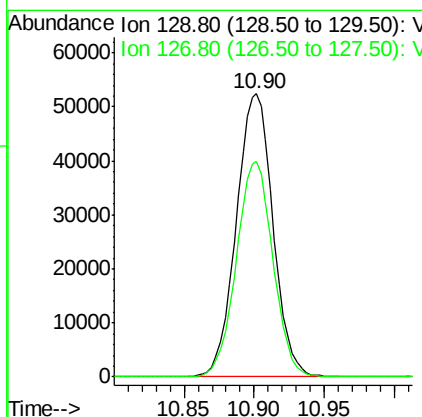
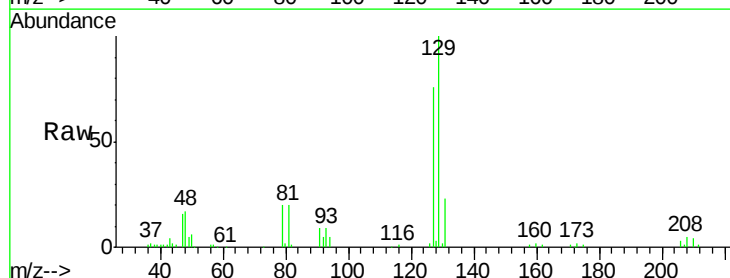
Manual Integrations
APPROVED

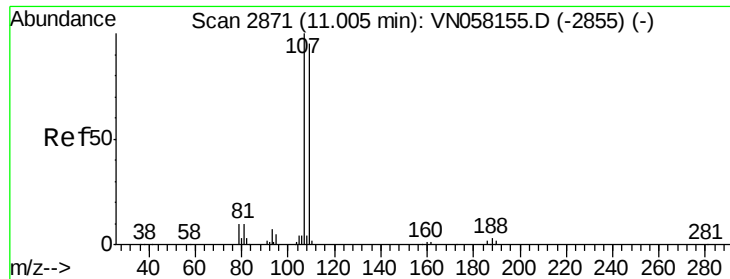
MMDadoda
9/20/2019 3:37:23 PM



#60
Dibromochloromethane
Concen: 19.441 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 129 Resp: 95485
Ion Ratio Lower Upper
129 100
127 75.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 19.394 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion:107 Resp: 91755

Ion Ratio Lower Upper

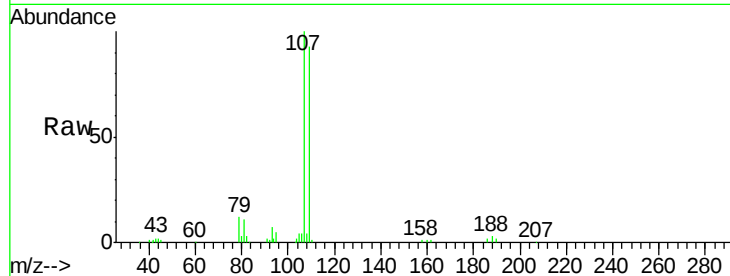
107 100

109 93.9 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

60000

50000

40000

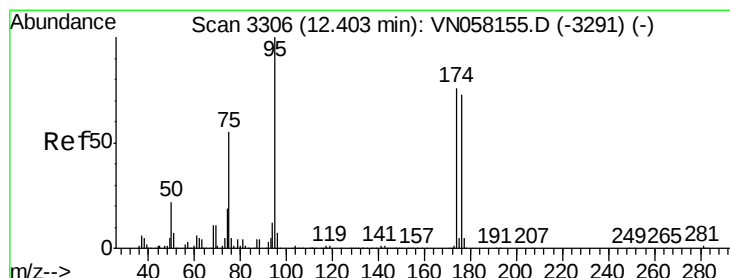
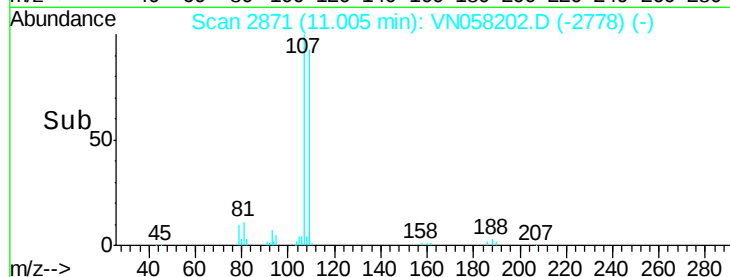
30000

20000

10000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 49.713 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

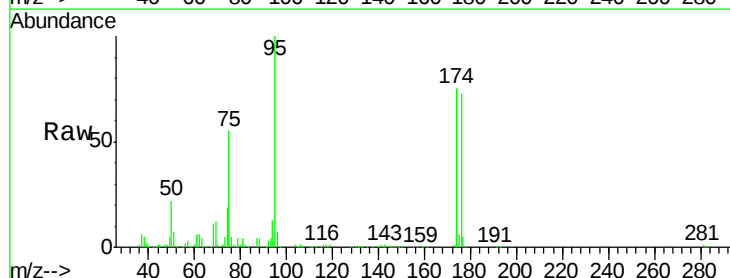
Tgt Ion: 95 Resp: 364511

Ion Ratio Lower Upper

95 100

174 76.0 0.0 152.2

176 74.4 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

300000

250000

200000

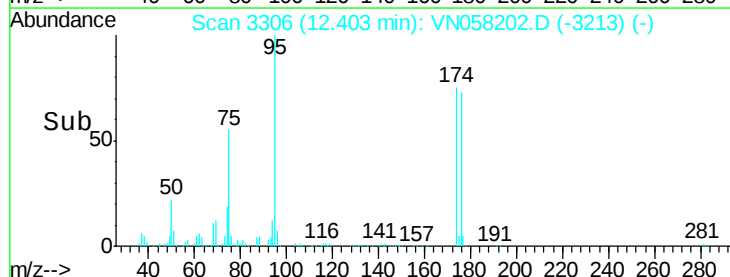
150000

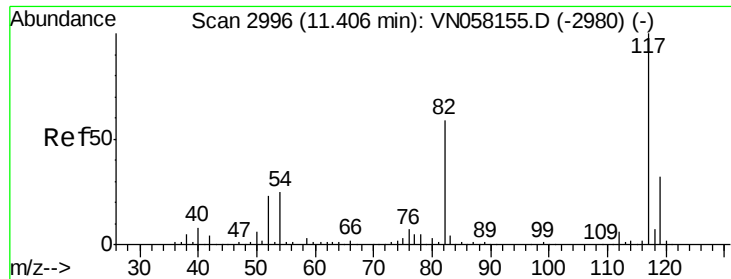
100000

50000

0

Time-->





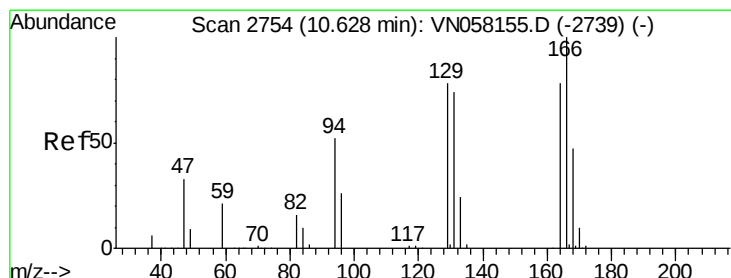
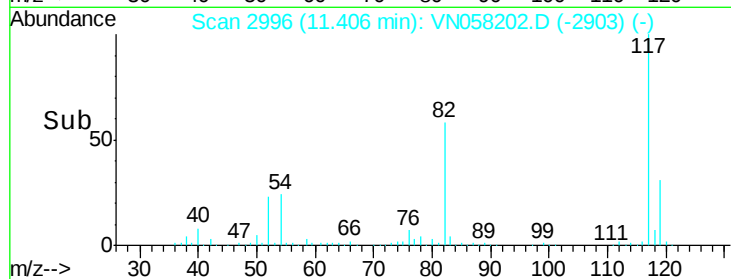
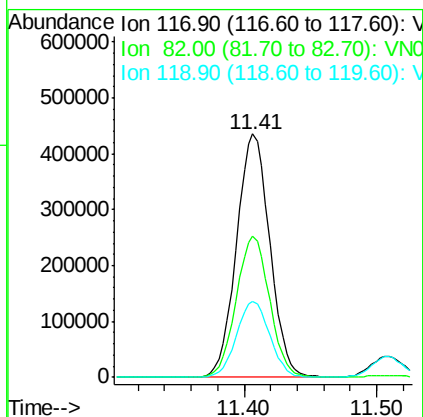
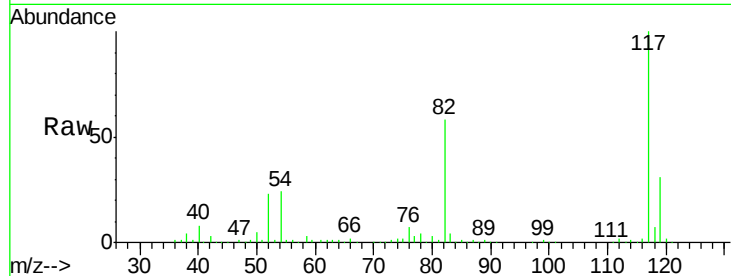
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.9	46.9	70.3
119	31.2	25.3	37.9

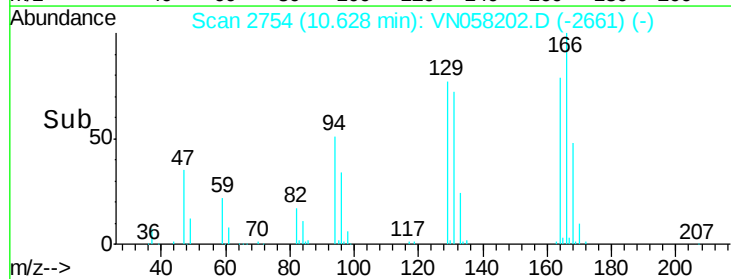
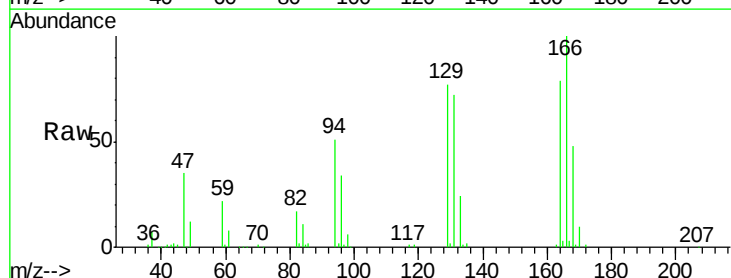
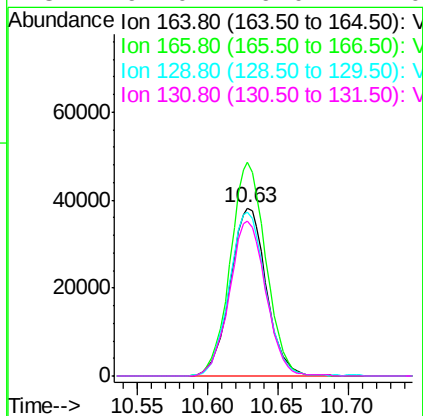
Manual Integrations
APPROVED

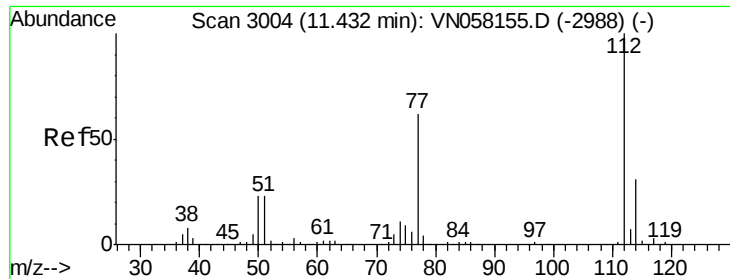
MMDadoda
9/20/2019 3:37:23 PM



#64
Tetrachloroethene
Concen: 18.489 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	102.2	153.4
129	97.5	79.6	119.4
131	92.0	76.0	114.0





#65

Chlorobenzene

Concen: 19.080 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion:112 Resp: 255028

Ion Ratio Lower Upper

112 100

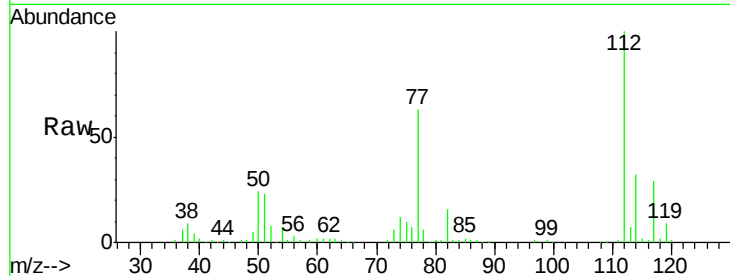
114 32.1 25.1 37.7

Manual Integrations

APPROVED

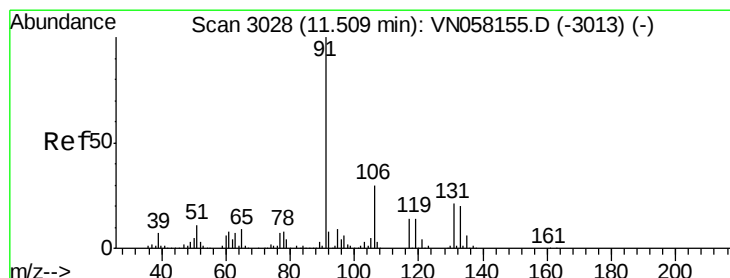
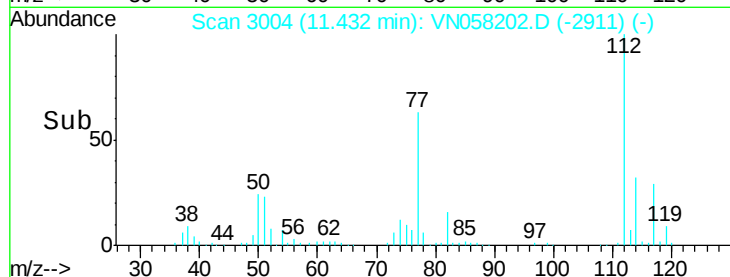
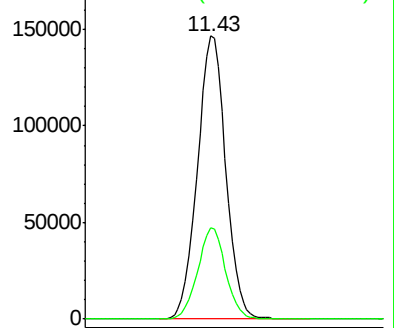
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.839 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

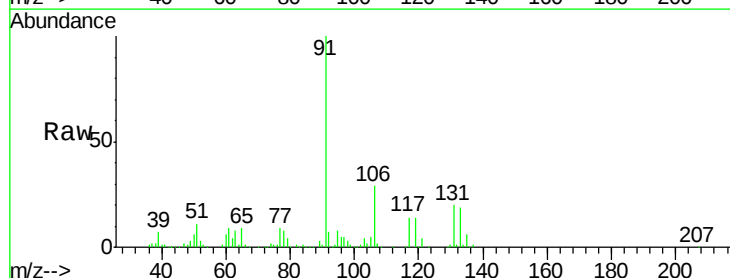
Tgt Ion:131 Resp: 96152

Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.3

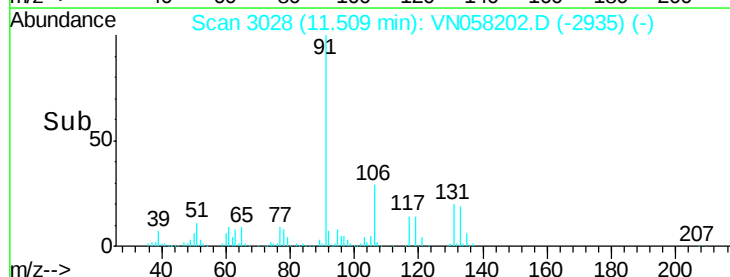
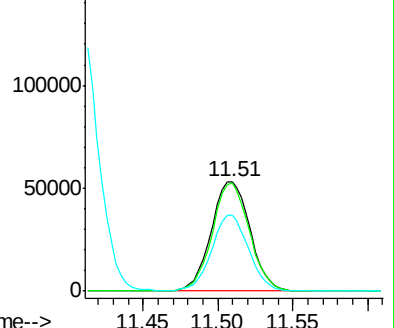
119 66.3 33.1 99.3

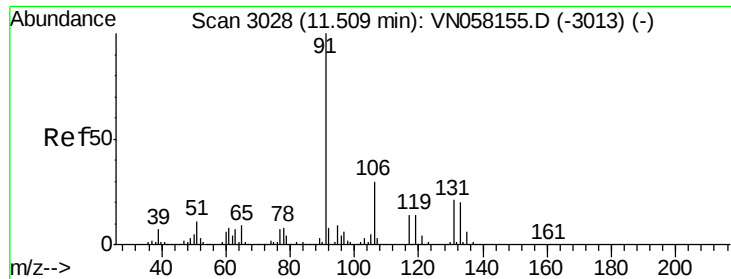


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





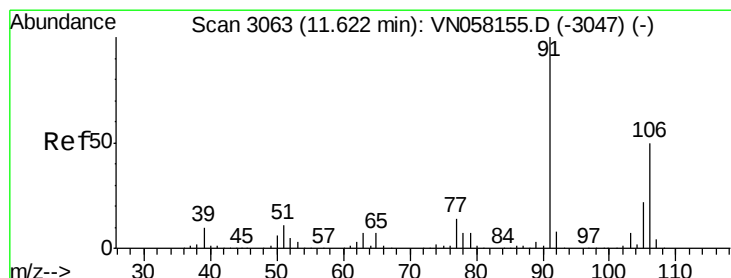
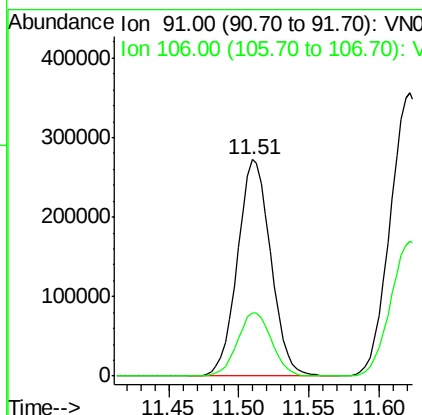
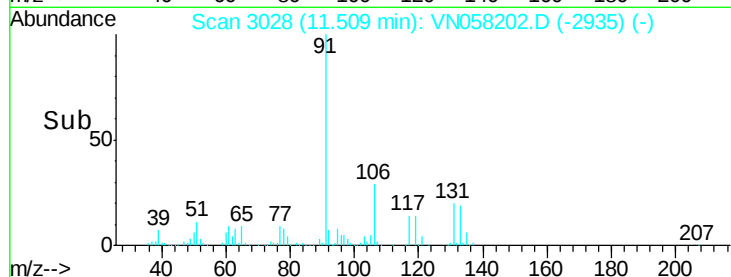
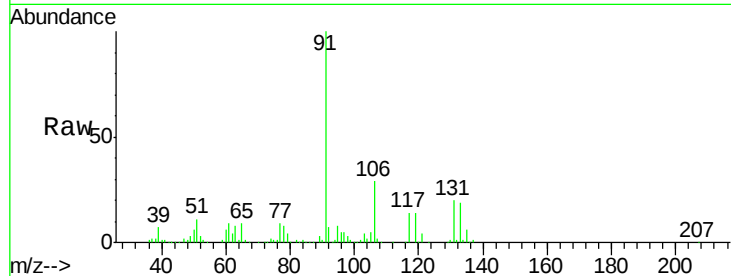
#67
Ethyl Benzene
Concen: 19.712 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion: 91 Resp: 451472
Ion Ratio Lower Upper
91 100
106 29.5 24.0 36.0

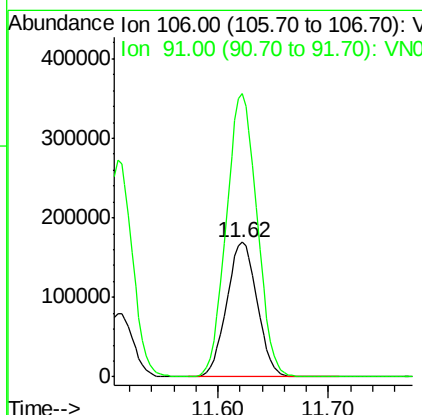
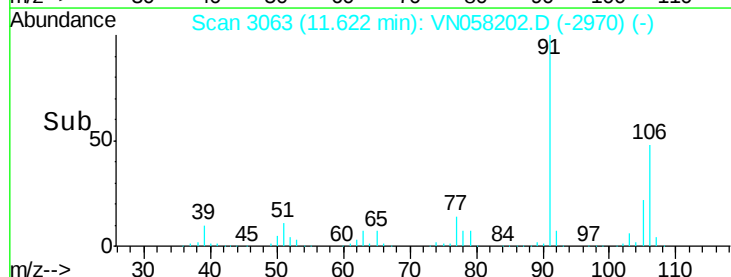
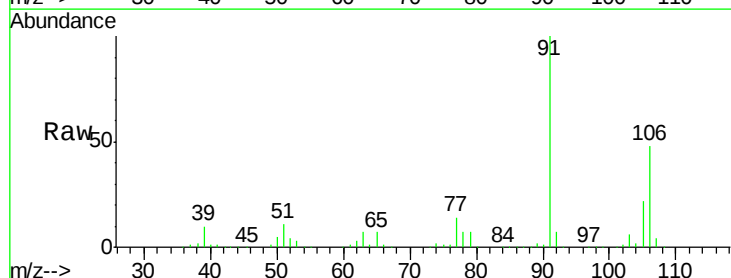
Manual Integrations
APPROVED

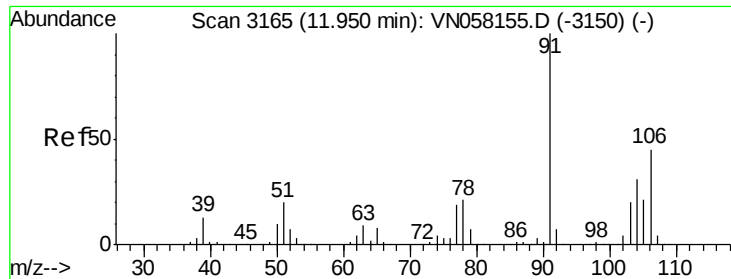
MMDadoda
9/20/2019 3:37:23 PM



#68
m/p-Xylenes
Concen: 37.685 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion: 106 Resp: 325072
Ion Ratio Lower Upper
106 100
91 211.1 163.6 245.4





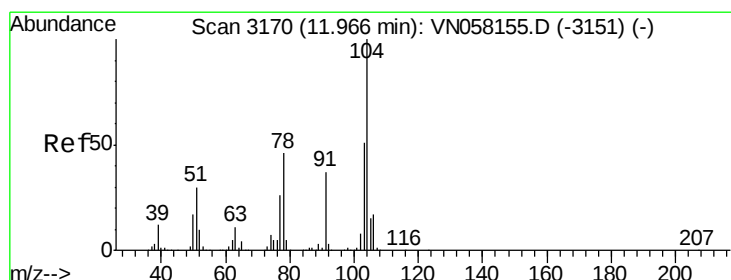
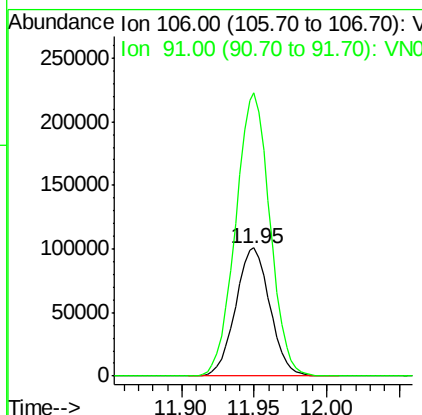
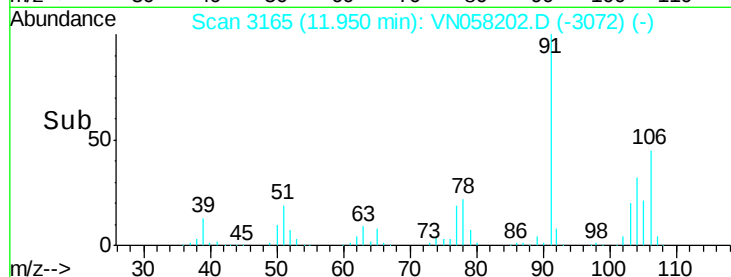
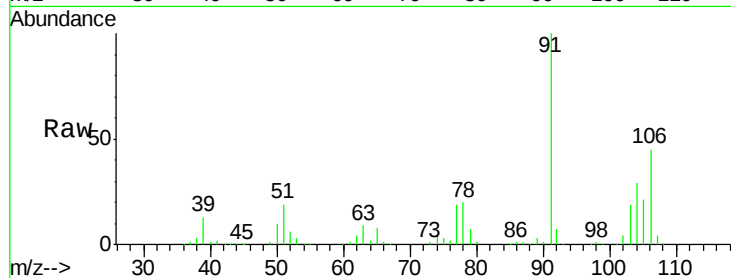
#69
o-Xylene
Concen: 19.529 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampled :
VN0919WBSD01

Tot Ion:106 Resp: 165647
Ion Ratio Lower Upper
106 100
91 220.4 111.8 335.3

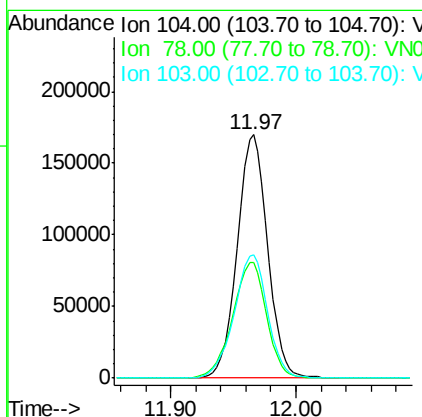
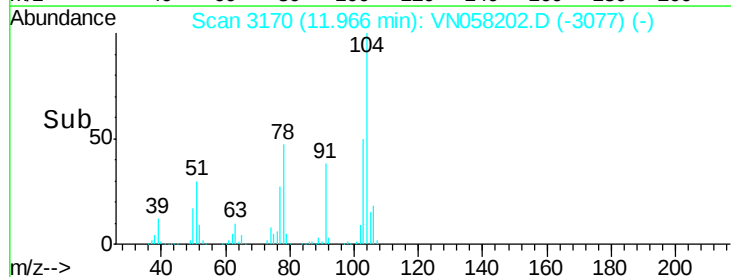
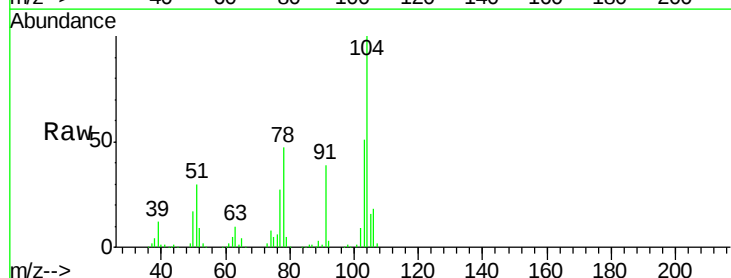
Manual Integrations
APPROVED

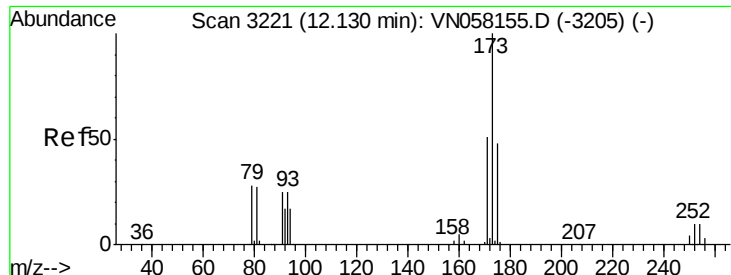
MMDadoda
9/20/2019 3:37:23 PM



#70
Styrene
Concen: 19.601 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion:104 Resp: 286461
Ion Ratio Lower Upper
104 100
78 53.2 41.8 62.8
103 55.6 44.2 66.2





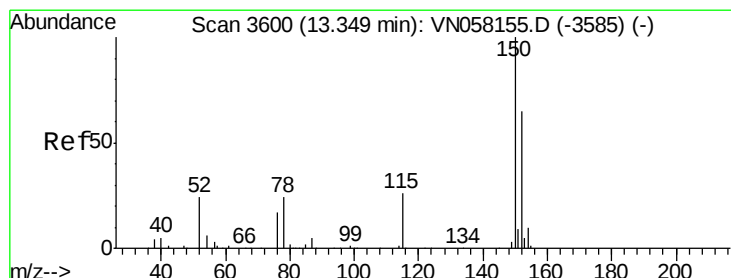
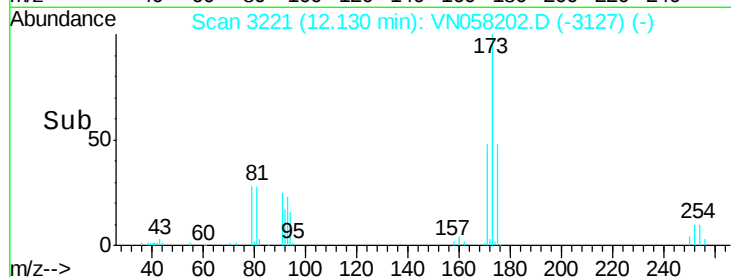
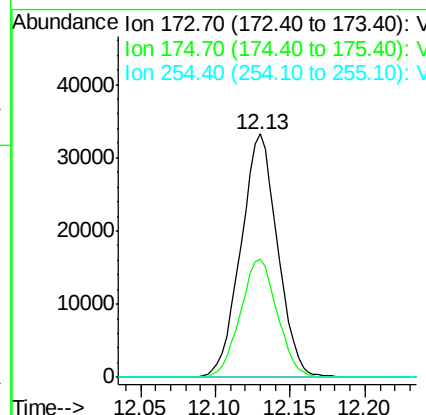
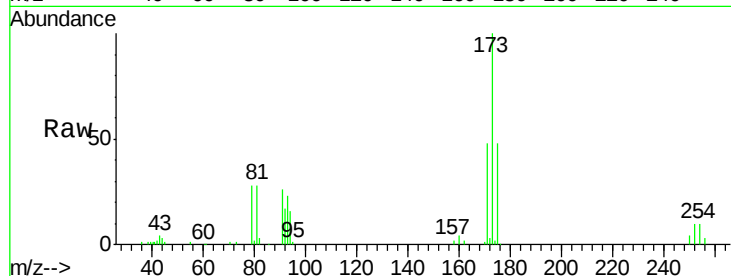
#71
Bromoform
Concen: 18.275 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		56837		
175	48.8	24.2	72.6		
254	0.0	0.1	0.1#		

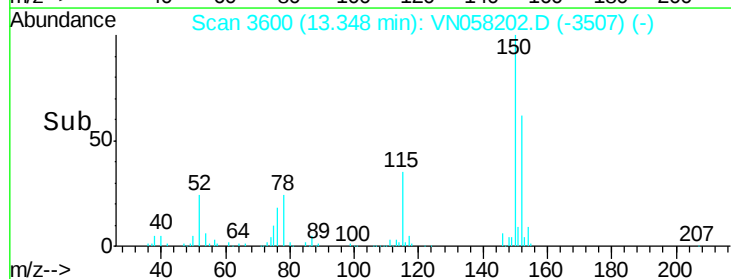
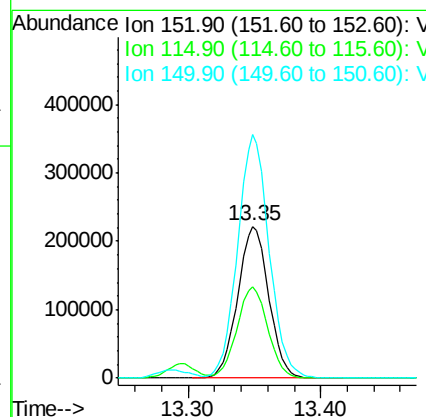
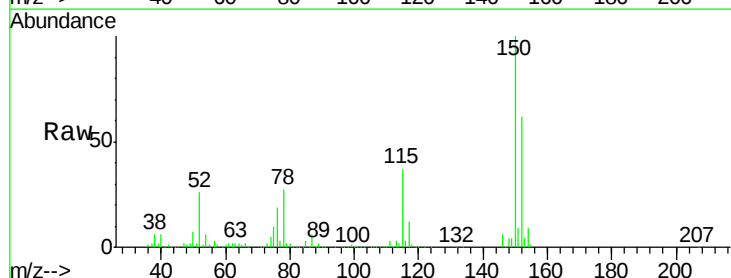
Manual Integrations
APPROVED

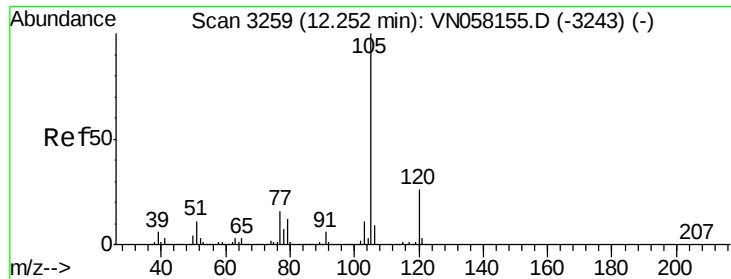
MMDadoda
9/20/2019 3:37:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		358725		
115	60.0	30.1	90.3		
150	162.7	0.0	346.4		





#73

Isopropylbenzene

Concen: 20.888 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion:105 Resp: 469008

Ion Ratio Lower Upper

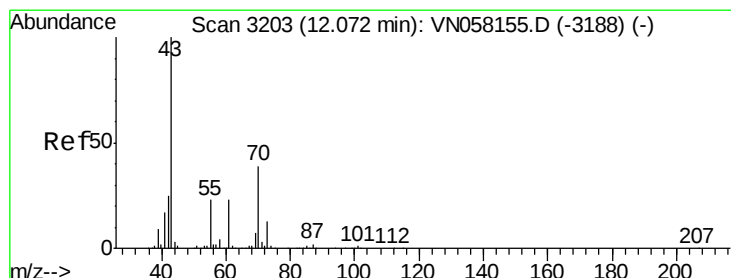
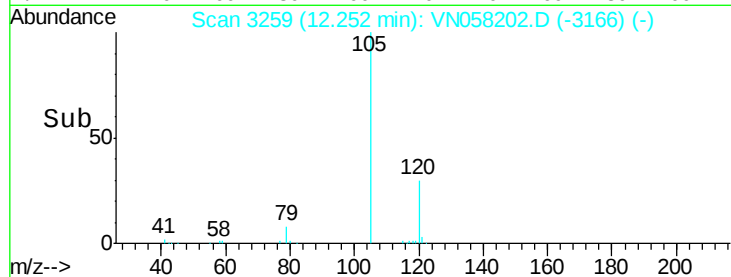
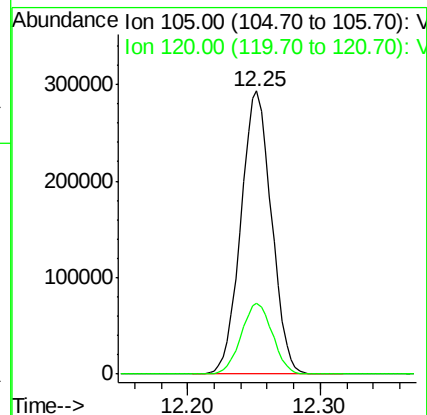
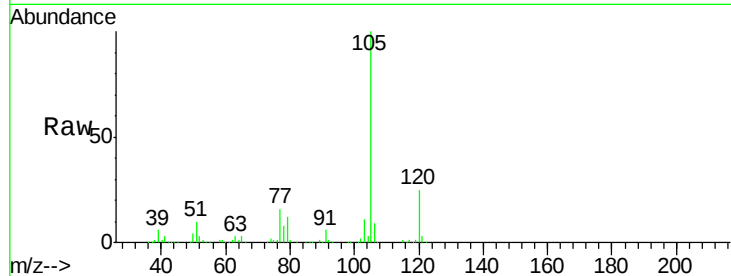
105 100

120 25.6 12.8 38.3

Manual Integrations
APPROVED

MMDadoda

9/20/2019 3:37:23 PM



#74

N-ethyl acetate

Concen: 19.968 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion: 43 Resp: 187563

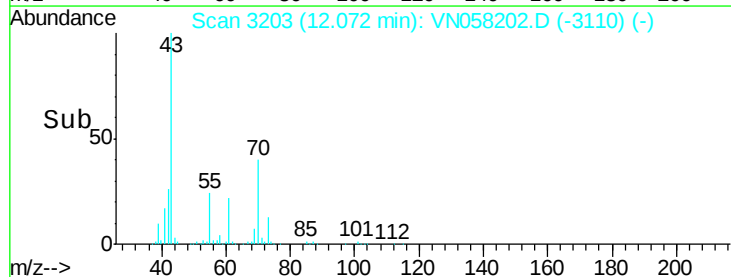
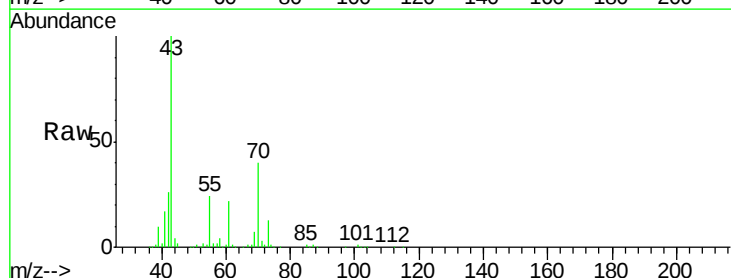
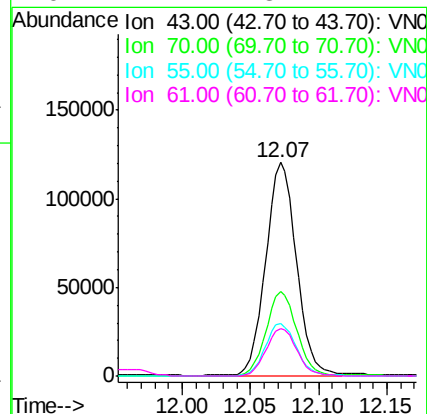
Ion Ratio Lower Upper

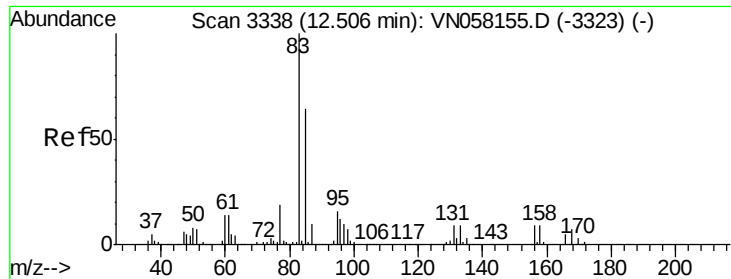
43 100

70 40.0 31.0 46.6

55 25.2 18.5 27.7

61 22.7 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.676 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

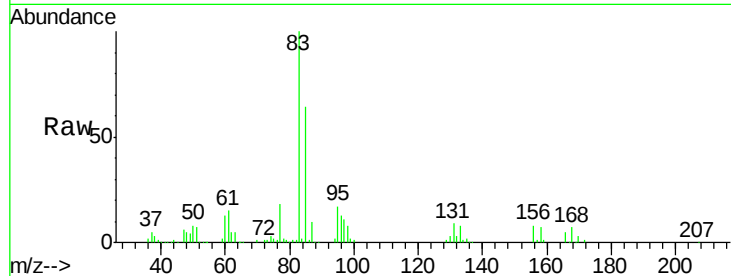
ClientSampleId :

VN0919WBSD01

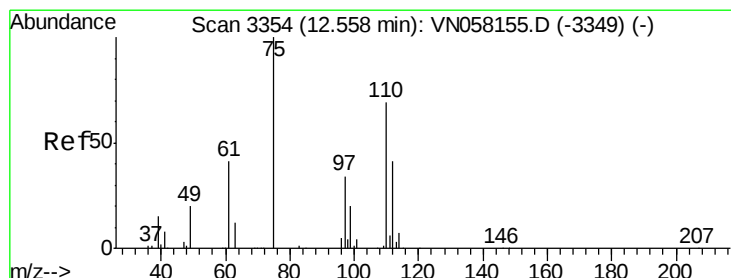
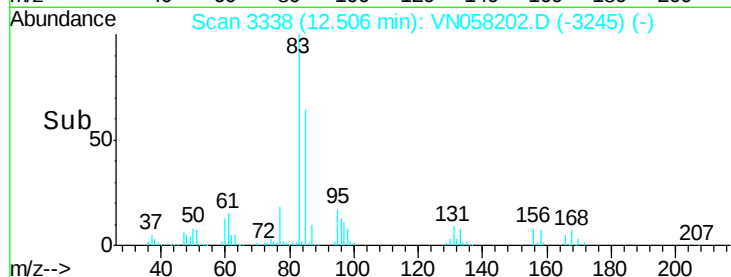
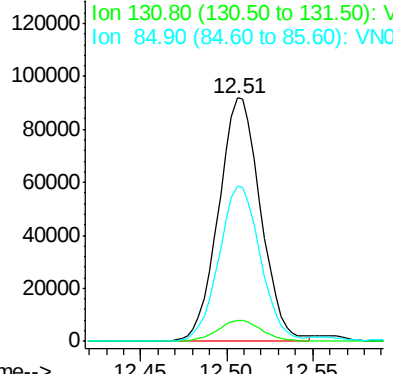
Tot Ion:	83	Resp:	155467
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.8	14.3
85	62.9	31.9	95.5

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Abundance Ion 82.90 (82.60 to 83.60): VN058202.D (-3245) (-)



#76

1,2,3-Trichloropropane

Concen: 21.477 ug/l m

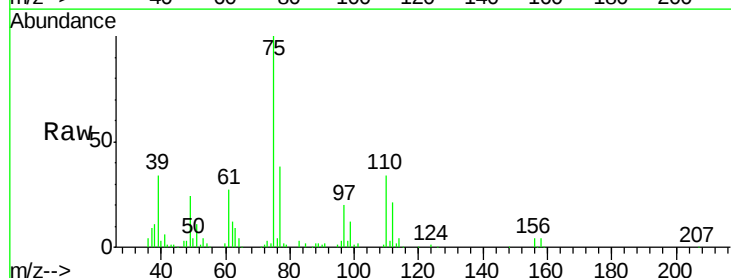
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

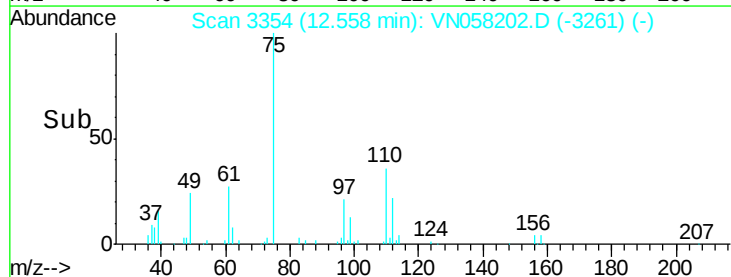
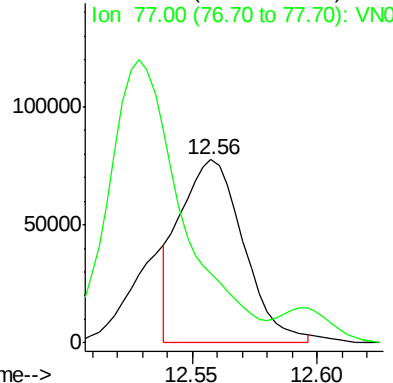
Lab File: VN058202.D

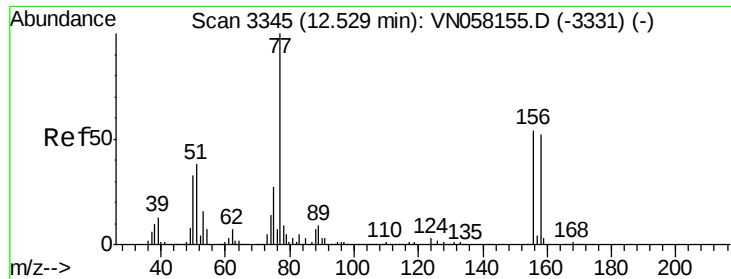
Acq: 19 Sep 2019 13:51

Tgt Ion:	75	Resp:	137884
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058202.D (-3261) (-)





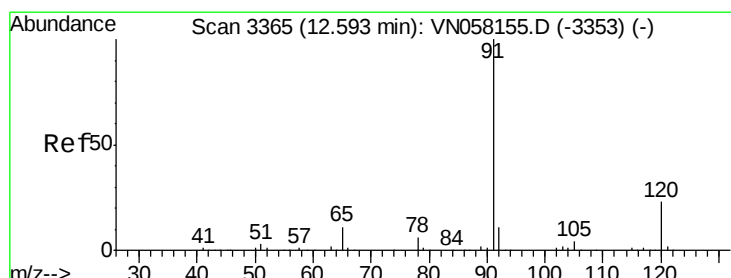
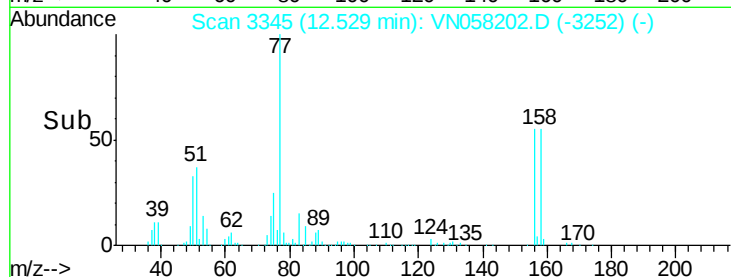
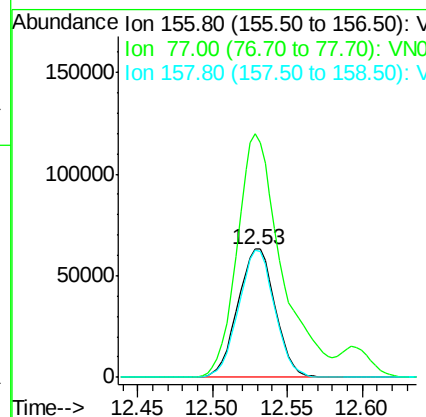
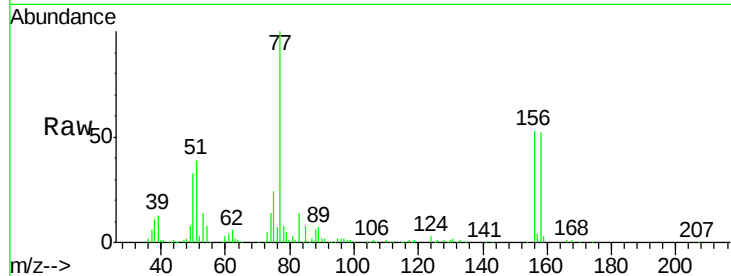
#77
Bromobenzene
Concen: 19.436 ug/l
RT: 12.53 min Scan# 3345
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	224.7	111.7	335.1		
158	95.9	47.9	143.8		

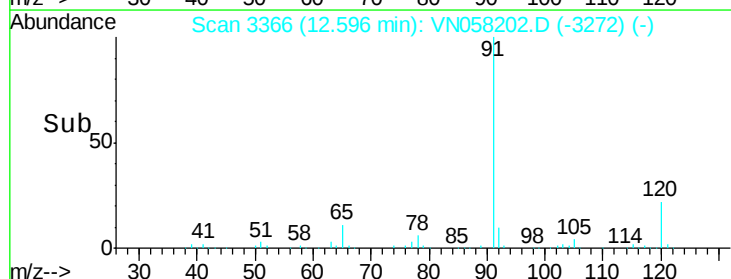
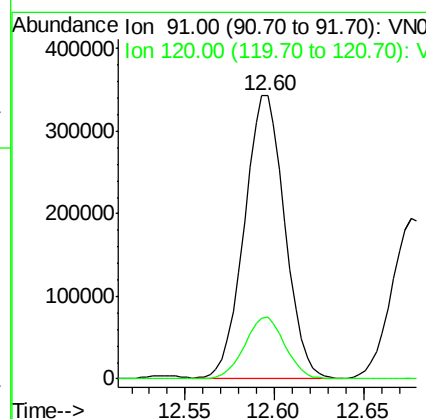
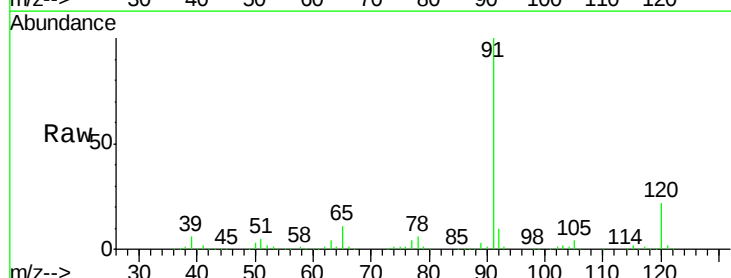
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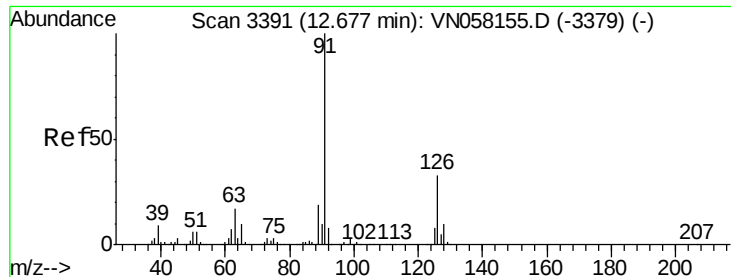
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#78
n-propylbenzene
Concen: 21.081 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	21.9	11.1	33.3		





#79

2-Chlorotoluene

Concen: 20.216 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampled :

VN0919WBSD01

Tot Ion: 91 Resp: 322364

Ion Ratio Lower Upper

91 100

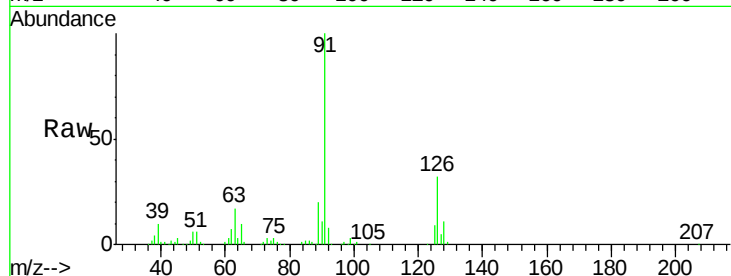
126 32.8 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)

300000

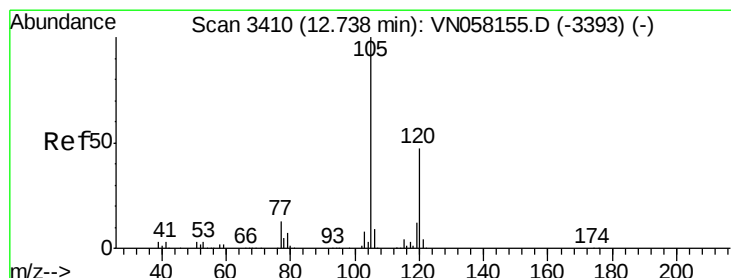
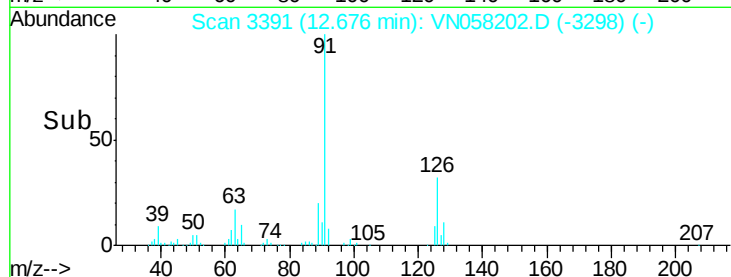
200000

100000

0

12.65 12.68 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.919 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058202.D

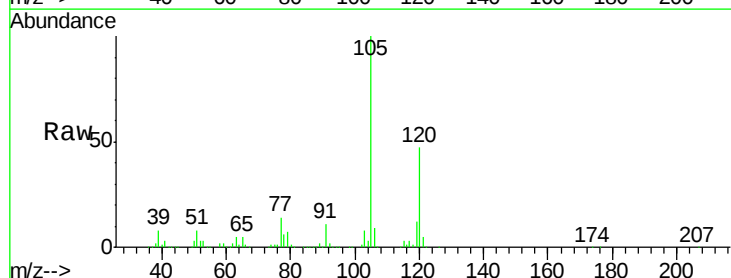
Acq: 19 Sep 2019 13:51

Tgt Ion: 105 Resp: 397194

Ion Ratio Lower Upper

105 100

120 47.0 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

300000

250000

200000

150000

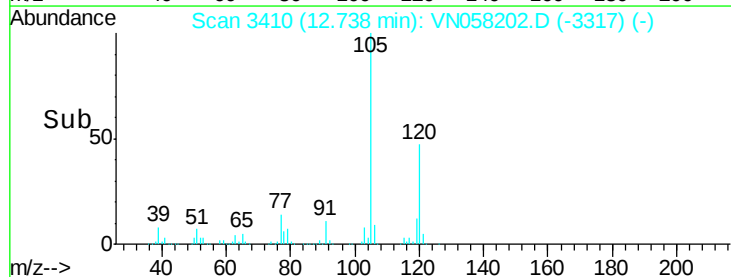
100000

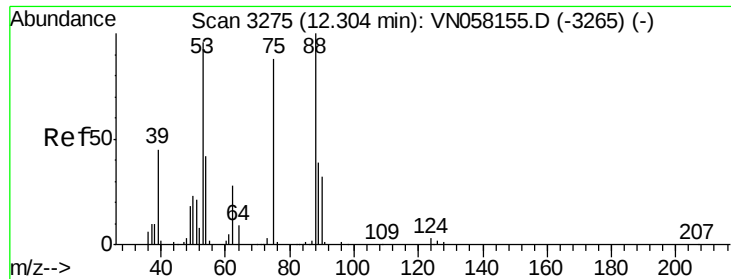
50000

0

12.70 12.74 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 19.700 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

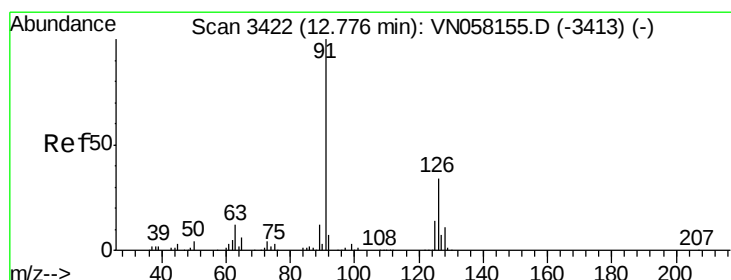
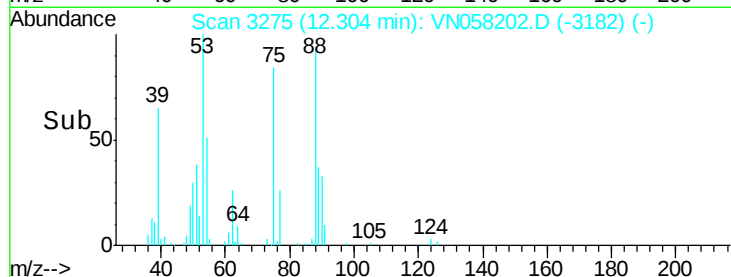
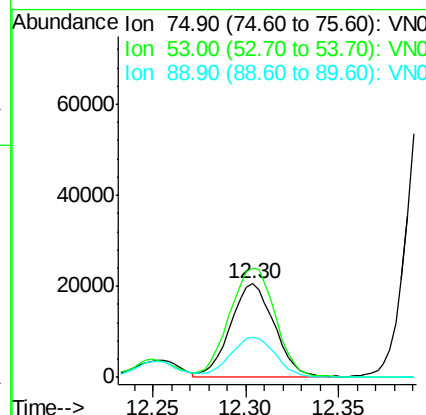
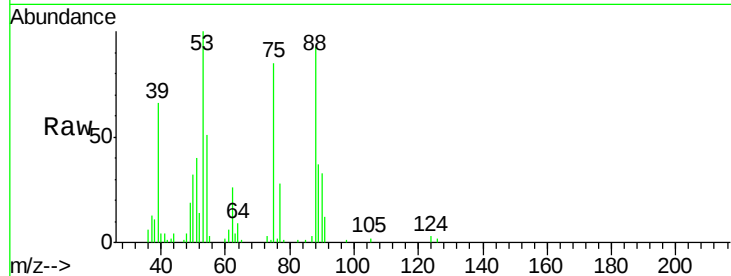
ClientSampleId :

VN0919WBSD01

Tot Ion:	75	Resp:	33951
Ion Ratio	Lower	Upper	
75	100		
53	122.2	90.1	135.1
89	44.0	36.2	54.2

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#82

4-Chlorotoluene

Concen: 19.816 ug/l

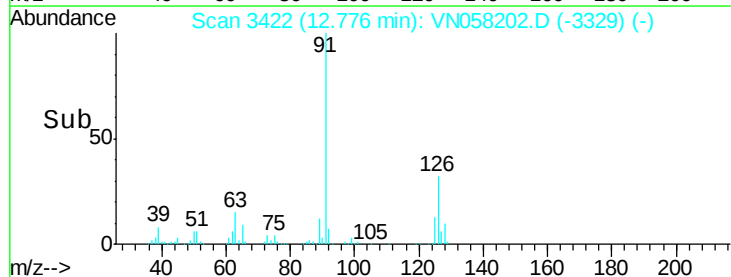
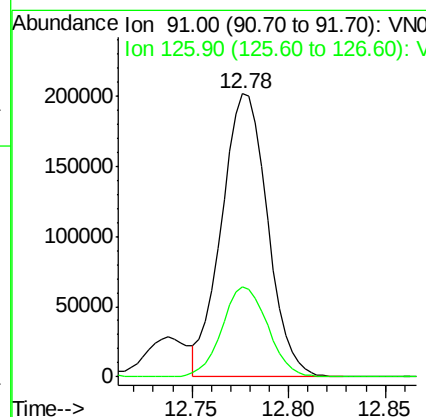
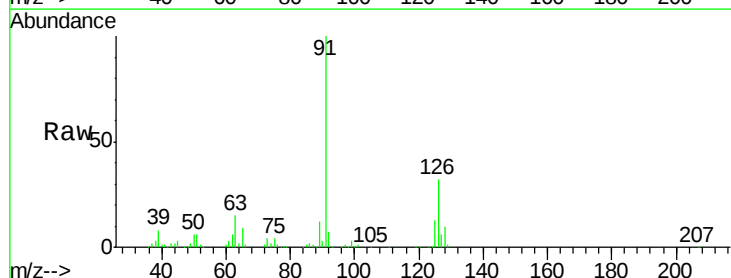
RT: 12.78 min Scan# 3422

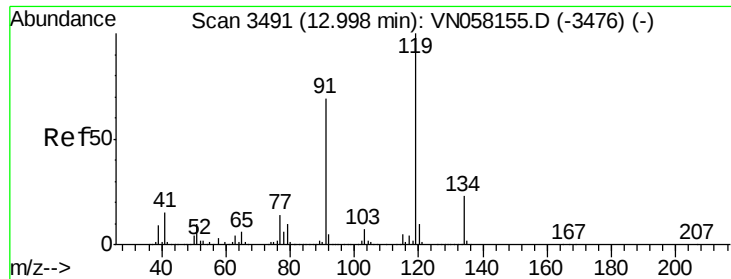
Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion:	91	Resp:	332164
Ion Ratio	Lower	Upper	
91	100		
126	31.8	15.7	47.1





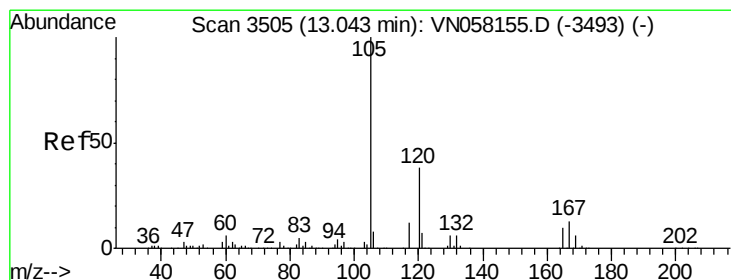
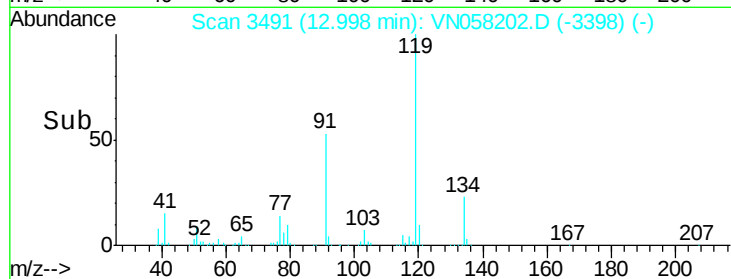
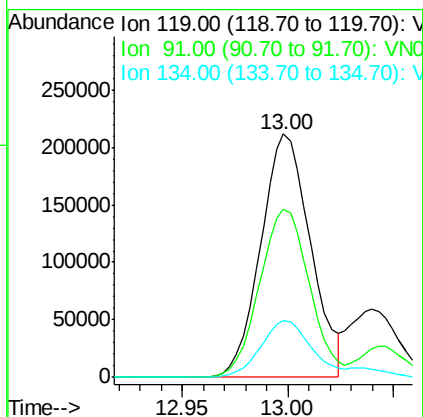
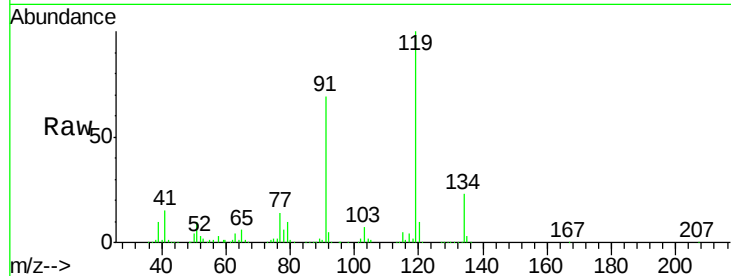
#83
tert-Butylbenzene
Concen: 20.519 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.2	33.8	101.3
134	23.6	11.6	34.8

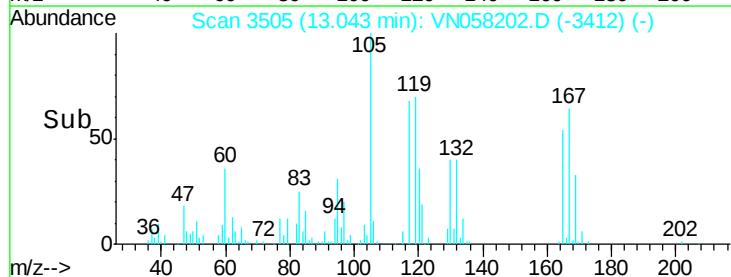
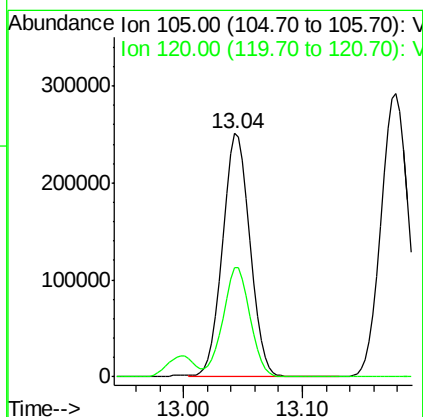
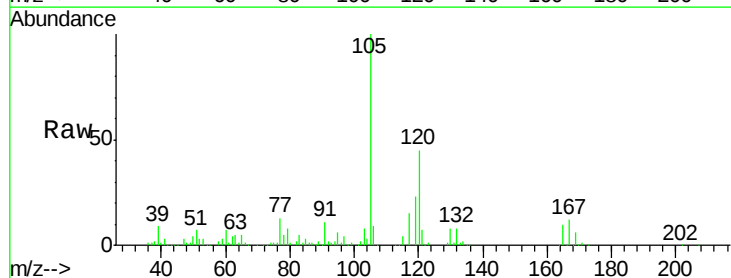
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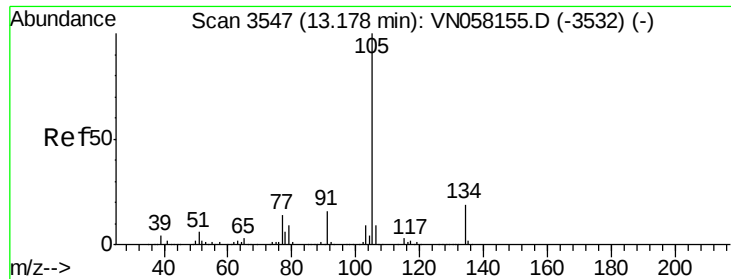
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#84
1,2,4-Trimethylbenzene
Concen: 21.155 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.194 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBSD01

Tot Ion:105 Resp: 469291

Ion Ratio Lower Upper

105 100

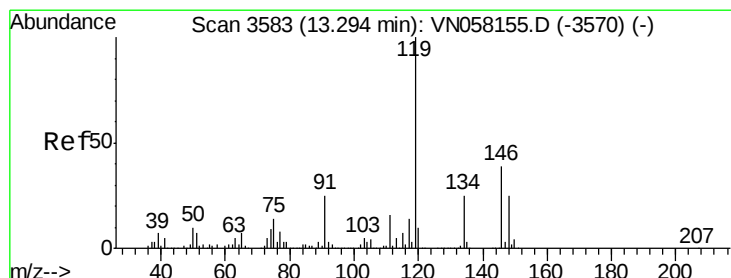
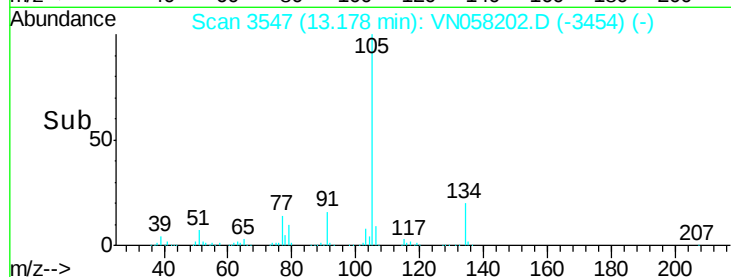
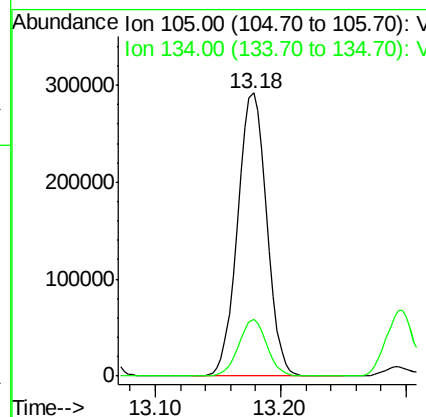
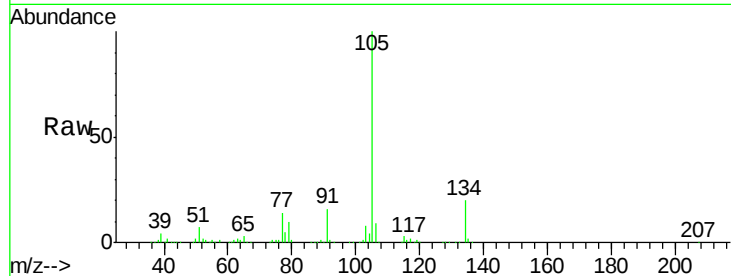
134 19.5 9.5 28.5

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#86

p-Isopropyltoluene

Concen: 20.927 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

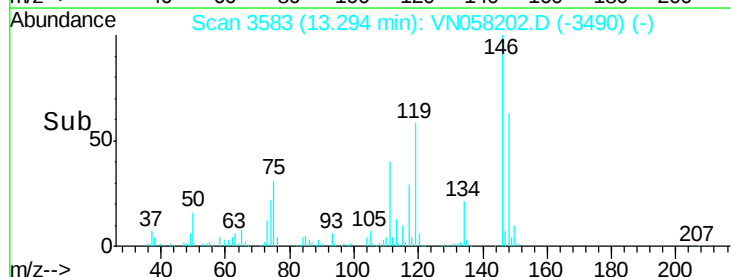
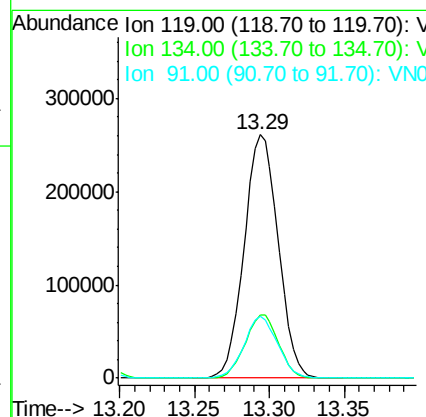
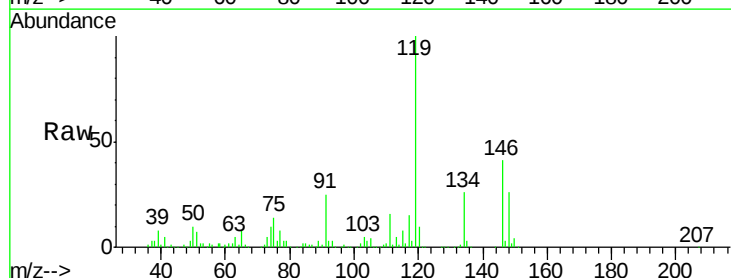
Tgt Ion:119 Resp: 411949

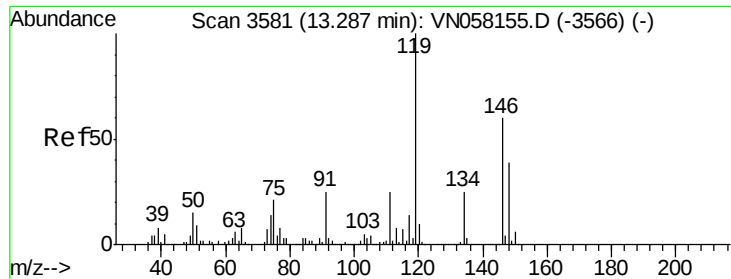
Ion Ratio Lower Upper

119 100

134 25.7 12.7 38.0

91 25.1 12.3 36.8





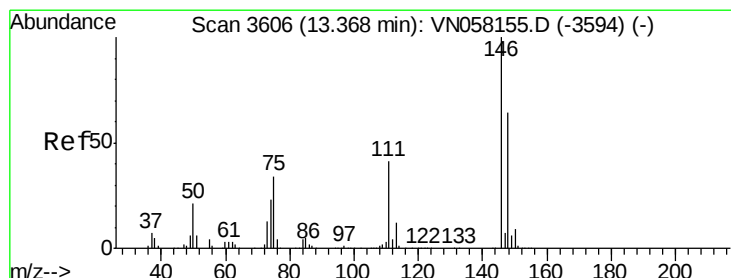
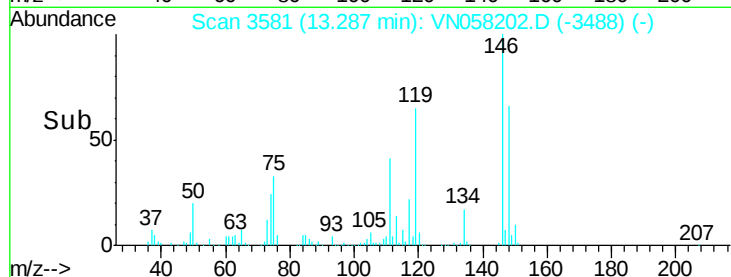
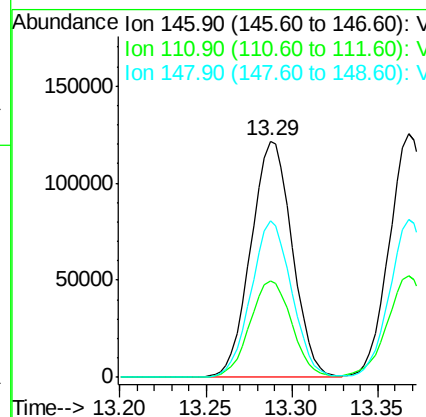
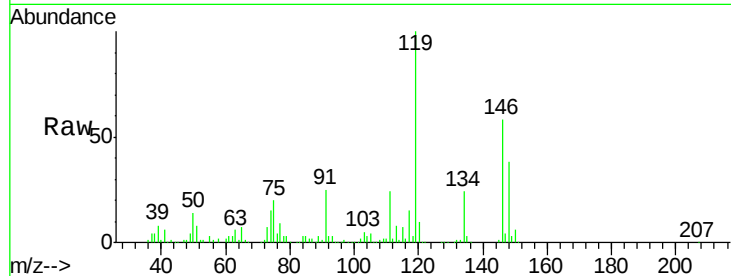
#87
 1,3-Dichlorobenzene
 Concen: 19.632 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202532		
111	41.4	20.9	62.8	
148	65.2	32.0	96.2	

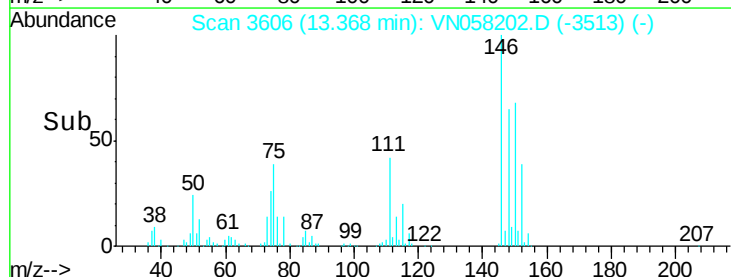
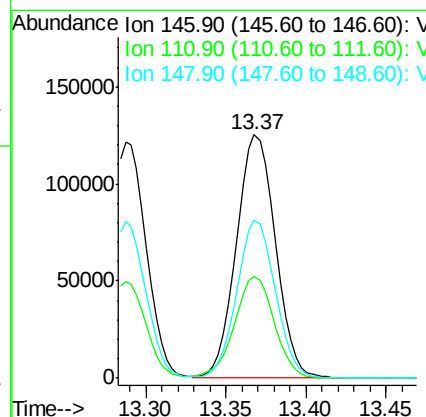
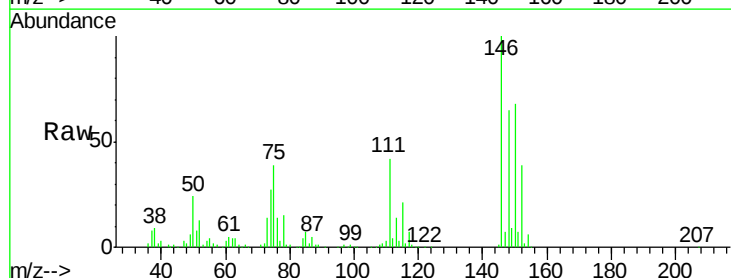
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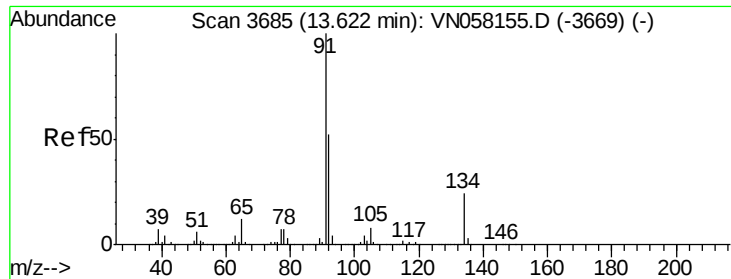
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#88
 1,4-Dichlorobenzene
 Concen: 19.661 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	207066		
111	42.8	20.5	61.5	
148	64.1	31.9	95.5	





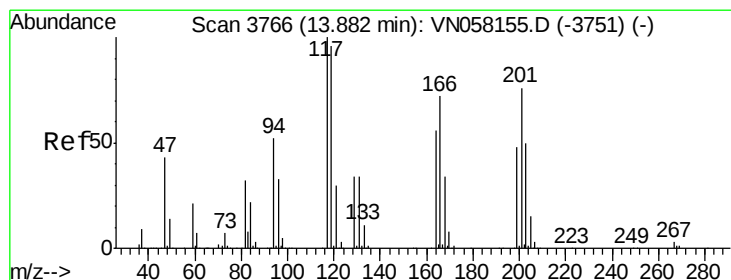
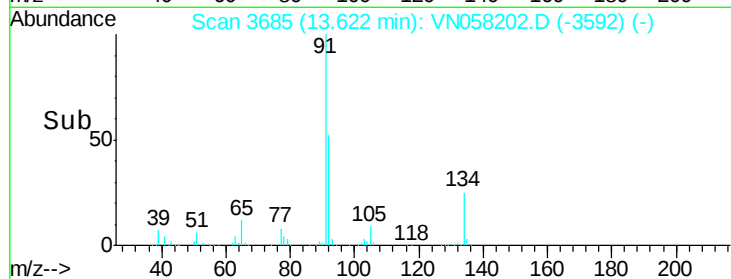
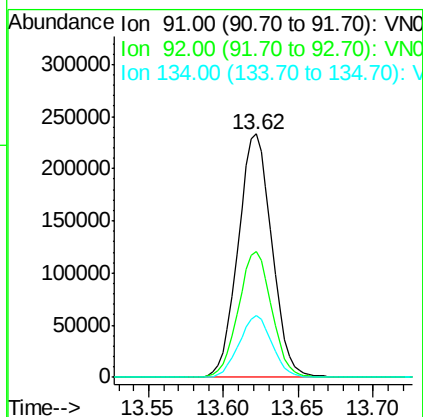
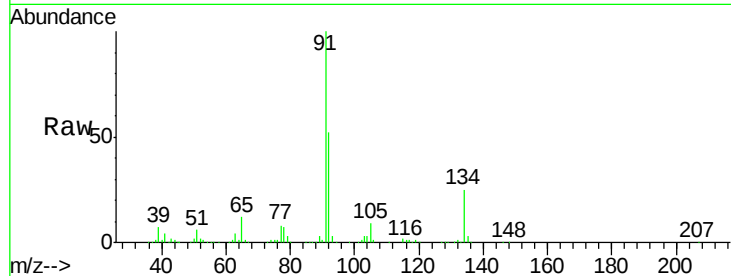
#89
n-Butylbenzene
Concen: 19.628 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.7	77.0
134	24.7	11.8	35.4

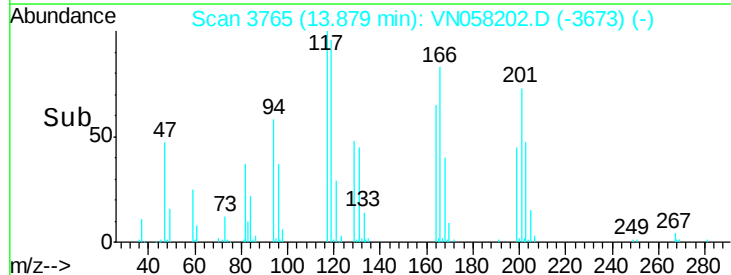
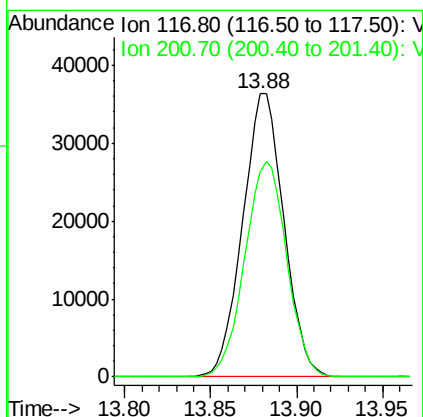
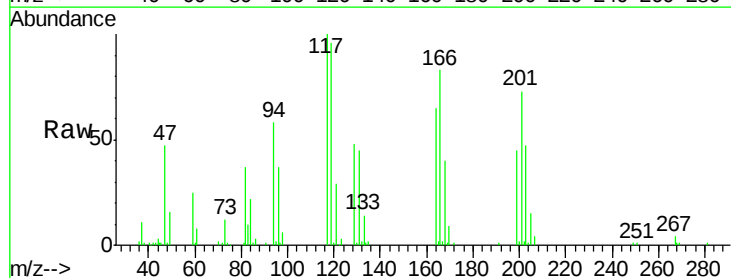
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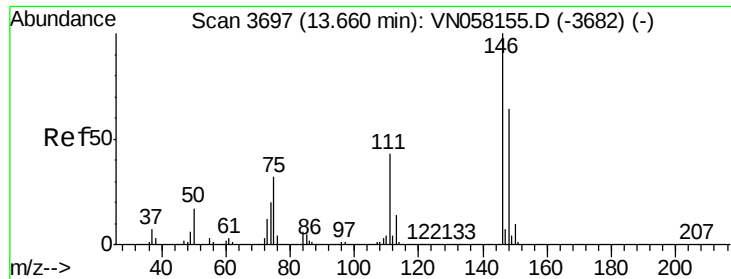
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#90
Hexachloroethane
Concen: 19.353 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058202.D
Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	37.5	112.5





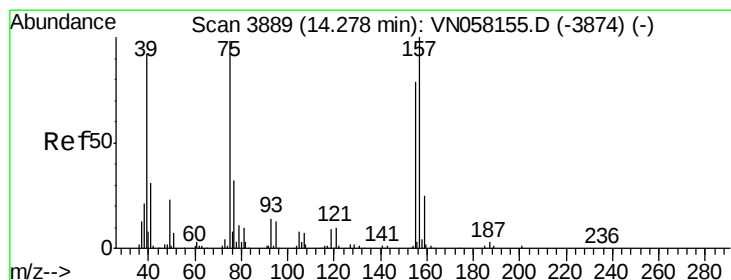
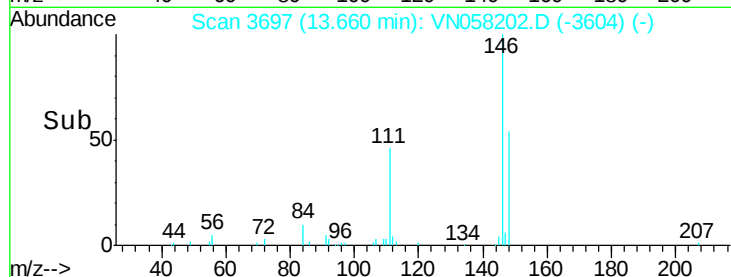
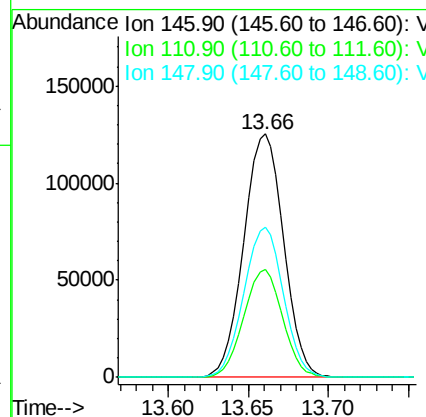
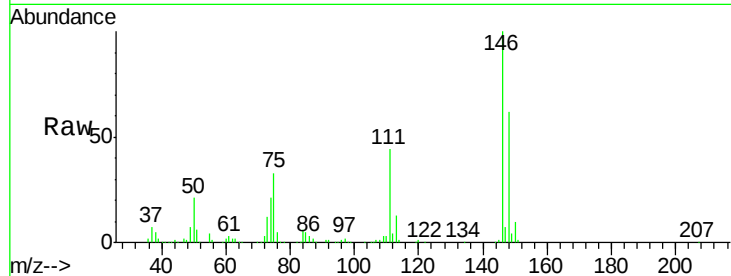
#91
 1,2-Dichlorobenzene
 Concen: 20.610 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	213275		
111	43.1	21.1	63.1	
148	61.3	31.8	95.4	

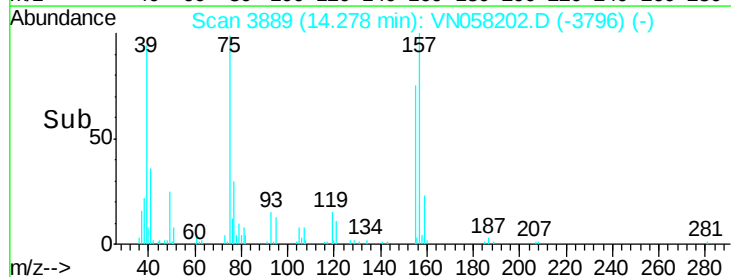
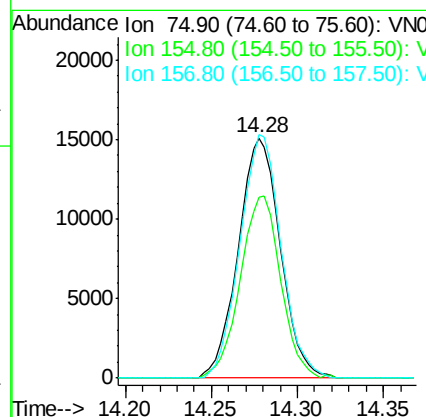
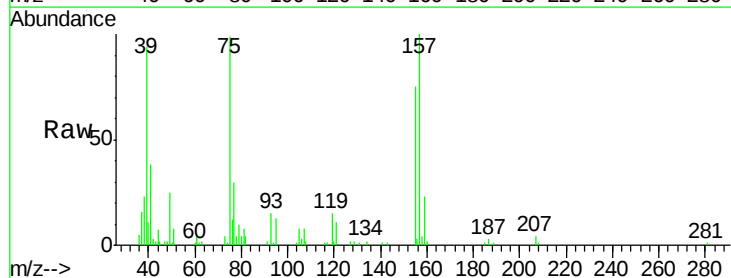
Manual Integrations
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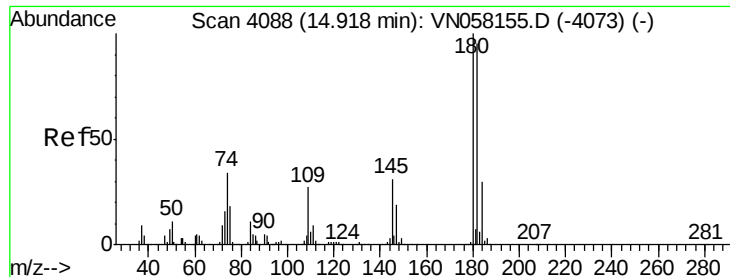
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.000 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25720		
155	72.7	38.3	114.8	
157	99.1	48.0	144.0	





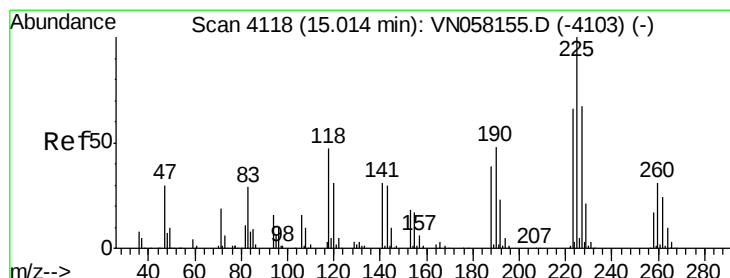
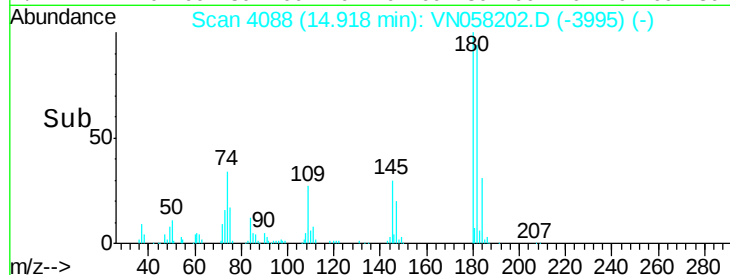
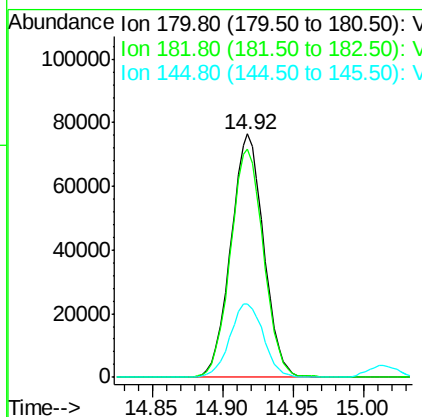
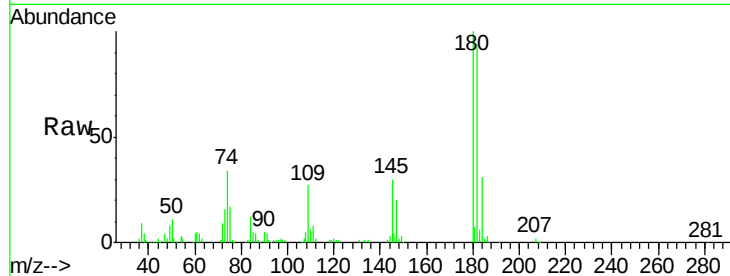
#93
 1,2,4-Trichlorobenzene
 Concen: 18.819 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	124424		
182	94.7	47.8	143.3	
145	31.0	15.4	46.4	

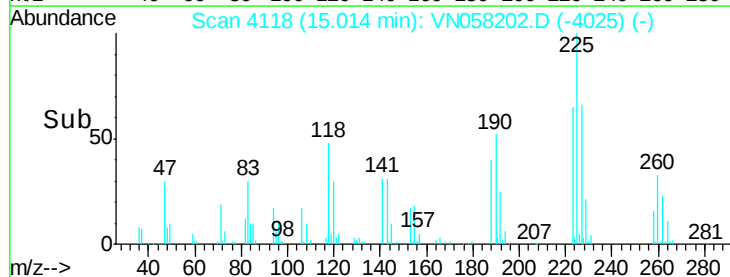
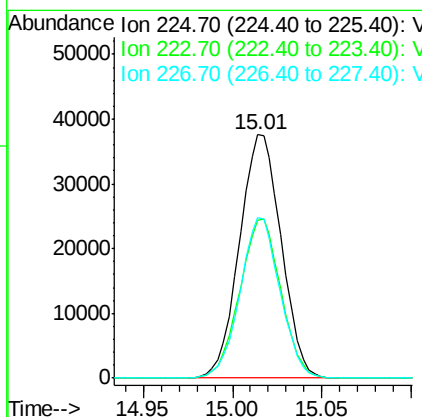
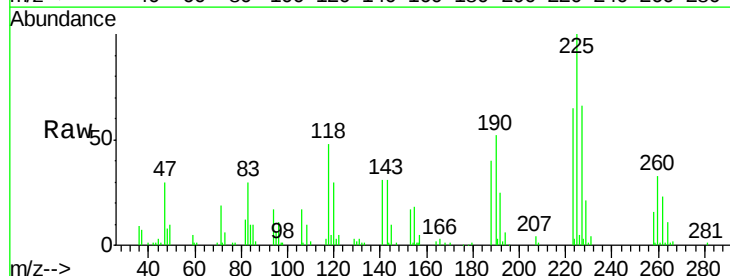
Manual Integrations
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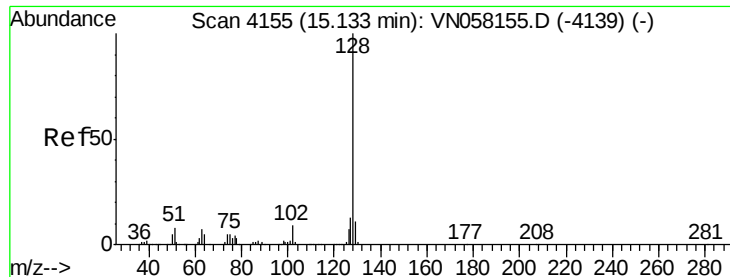
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.247 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058202.D
 Acq: 19 Sep 2019 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61506		
223	64.3	32.6	97.7	
227	62.9	33.0	99.0	





#95

Naphthalene

Concen: 19.185 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Instrument :

MSVOA_N

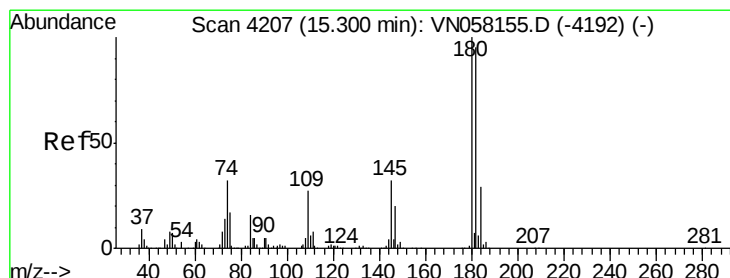
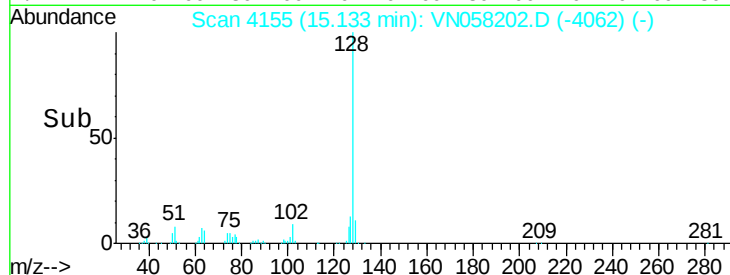
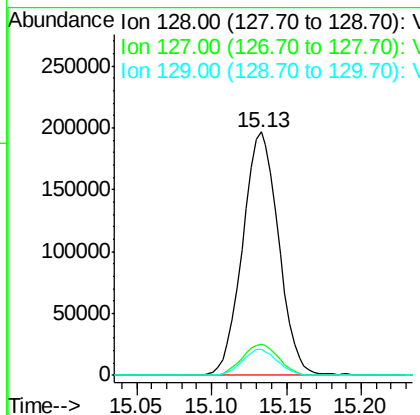
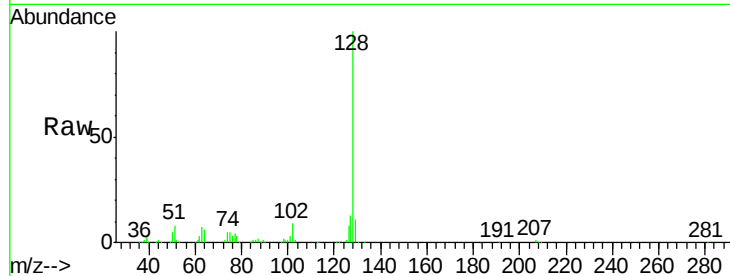
ClientSampleId :

VN0919WBSD01

Tot Ion:	128	Resp:	328738
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.2	15.2
129	10.6	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.892 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058202.D

Acq: 19 Sep 2019 13:51

Tgt Ion:	180	Resp:	118059
Ion Ratio	Lower	Upper	
180	100		
182	95.9	47.4	142.2
145	32.9	16.1	48.2

