

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058282.D
 Acq On : 23 Sep 2019 11:28
 Operator : JC/SP
 Sample : VN0923WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:47:33 AM

Quant Time: Sep 24 08:23:57 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	434697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	760119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	675716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	313142	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	327229	54.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.10%	
35) Dibromofluoromethane	7.57	113	231967	50.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.40%	
50) Toluene-d8	10.09	98	894610	49.69	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.38%	
62) 4-Bromofluorobenzene	12.41	95	318564	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	64933	18.184	ug/l	99
3) Chloromethane	2.03	50	57703	20.351	ug/l	98
4) Vinyl Chloride	2.17	62	62516	20.230	ug/l	98
5) Bromomethane	2.55	94	33875	21.676	ug/l	99
6) Chloroethane	2.69	64	42748	21.161	ug/l	98
7) Trichlorofluoromethane	3.00	101	94316	19.350	ug/l	98
8) Diethyl Ether	3.39	74	44462	19.908	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70458	20.049	ug/l	99
10) Methyl Iodide	3.93	142	52740	17.910	ug/l	99
11) Tert butyl alcohol	4.76	59	83146	115.449	ug/l	100
12) 1,1-Dichloroethene	3.72	96	54468	20.212	ug/l	93
13) Acrolein	3.59	56	9123	85.477	ug/l	89
14) Allyl chloride	4.30	41	109559	19.052	ug/l	96
15) Acrylonitrile	4.96	53	220568	114.951	ug/l	100
16) Acetone	3.80	43	202432	98.501	ug/l	97
17) Carbon Disulfide	4.03	76	70149	18.857	ug/l	98
18) Methyl Acetate	4.30	43	119678	22.131	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	278983	21.048	ug/l	98
20) Methylene Chloride	4.53	84	79244	21.899	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	59072	20.086	ug/l	94
22) Diisopropyl ether	5.93	45	300632	20.581	ug/l	96
23) Vinyl Acetate	5.87	43	1100256	110.080	ug/l	99
24) 1,1-Dichloroethane	5.82	63	159756	20.492	ug/l	99
25) 2-Butanone	6.82	43	311648	111.308	ug/l	100
26) 2,2-Dichloropropane	6.81	77	124599	18.839	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	88637	20.107	ug/l	99
28) Bromochloromethane	7.18	49	84395	22.883	ug/l	99
29) Tetrahydrofuran	7.19	42	191998	111.326	ug/l	99
30) Chloroform	7.36	83	172333	20.536	ug/l	99
31) Cyclohexane	7.64	56	108210	20.025	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	133111	20.836	ug/l	99
36) 1,1-Dichloropropene	7.78	75	97439	17.776	ug/l	99
37) Ethyl Acetate	6.91	43	121659	21.386	ug/l #	92
38) Carbon Tetrachloride	7.76	117	104798	19.019	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	93719	17.729	ug/l	94
40) Benzene	8.03	78	318969	19.051	ug/l	99
41) Methacrylonitrile	7.15	41	57761	20.699	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	140183	19.954	ug/l	99
43) Isopropyl Acetate	8.15	43	202697	19.079	ug/l #	93
44) Trichloroethene	8.82	130	77630	18.947	ug/l	99
45) 1,2-Dichloropropane	9.11	63	100779	20.156	ug/l	96
46) Dibromomethane	9.20	93	61823	20.337	ug/l	96
47) Bromodichloromethane	9.40	83	129674	20.362	ug/l	98
48) Methyl methacrylate	9.19	41	98514	20.422	ug/l	97
49) 1,4-Dioxane	9.19	88	34150	431.195	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	670589	118.833	ug/l	98
52) Toluene	10.15	92	198725	18.939	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	126531	19.396	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	140013	19.440	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	97121	20.857	ug/l	99
56) Ethyl methacrylate	10.43	69	136705	20.348	ug/l	99
57) 1,3-Dichloropropane	10.71	76	163607	20.438	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	361680	113.019	ug/l	99
59) 2-Hexanone	10.75	43	480279	114.595	ug/l	98
60) Dibromochloromethane	10.90	129	90241	20.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	86411	20.024	ug/l	100
64) Tetrachloroethene	10.63	164	60069	18.236	ug/l	98
65) Chlorobenzene	11.43	112	234155	19.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	89155	20.687	ug/l	99
67) Ethyl Benzene	11.51	91	407490	20.009	ug/l	98
68) m/p-Xylenes	11.62	106	293347	38.245	ug/l	95
69) o-Xylene	11.95	106	147696	19.583	ug/l	98
70) Styrene	11.97	104	256501	19.739	ug/l	99
71) Bromoform	12.13	173	55824	19.810	ug/l #	99
73) Isopropylbenzene	12.25	105	415744	21.211	ug/l	99
74) N-amyl acetate	12.07	43	179094	21.841	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	153058	23.319	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	120831m	21.561	ug/l	
77) Bromobenzene	12.53	156	101326	20.551	ug/l	100
78) n-propylbenzene	12.60	91	493823	22.171	ug/l	98
79) 2-Chlorotoluene	12.68	91	296622	21.309	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	355079	21.423	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	33712	21.614	ug/l	97
82) 4-Chlorotoluene	12.78	91	304937	20.840	ug/l	100
83) tert-Butylbenzene	13.00	119	311622	21.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	354139	21.470	ug/l	98
85) sec-Butylbenzene	13.18	105	420009	21.730	ug/l	99
86) p-Isopropyltoluene	13.30	119	372194	21.660	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	186808	20.744	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	185931	20.224	ug/l	98
89) n-Butylbenzene	13.62	91	332394	20.403	ug/l	99
90) Hexachloroethane	13.88	117	59470	21.445	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	187667	20.775	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26764	22.649	ug/l	96

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QLast Update : Thu Sep 19 09:27:53 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109095	18.902	ug/l	99
94) Hexachlorobutadiene	15.02	225	51527	18.471	ug/l	99
95) Naphthalene	15.13	128	311301	20.812	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	107542	19.714	ug/l	99

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

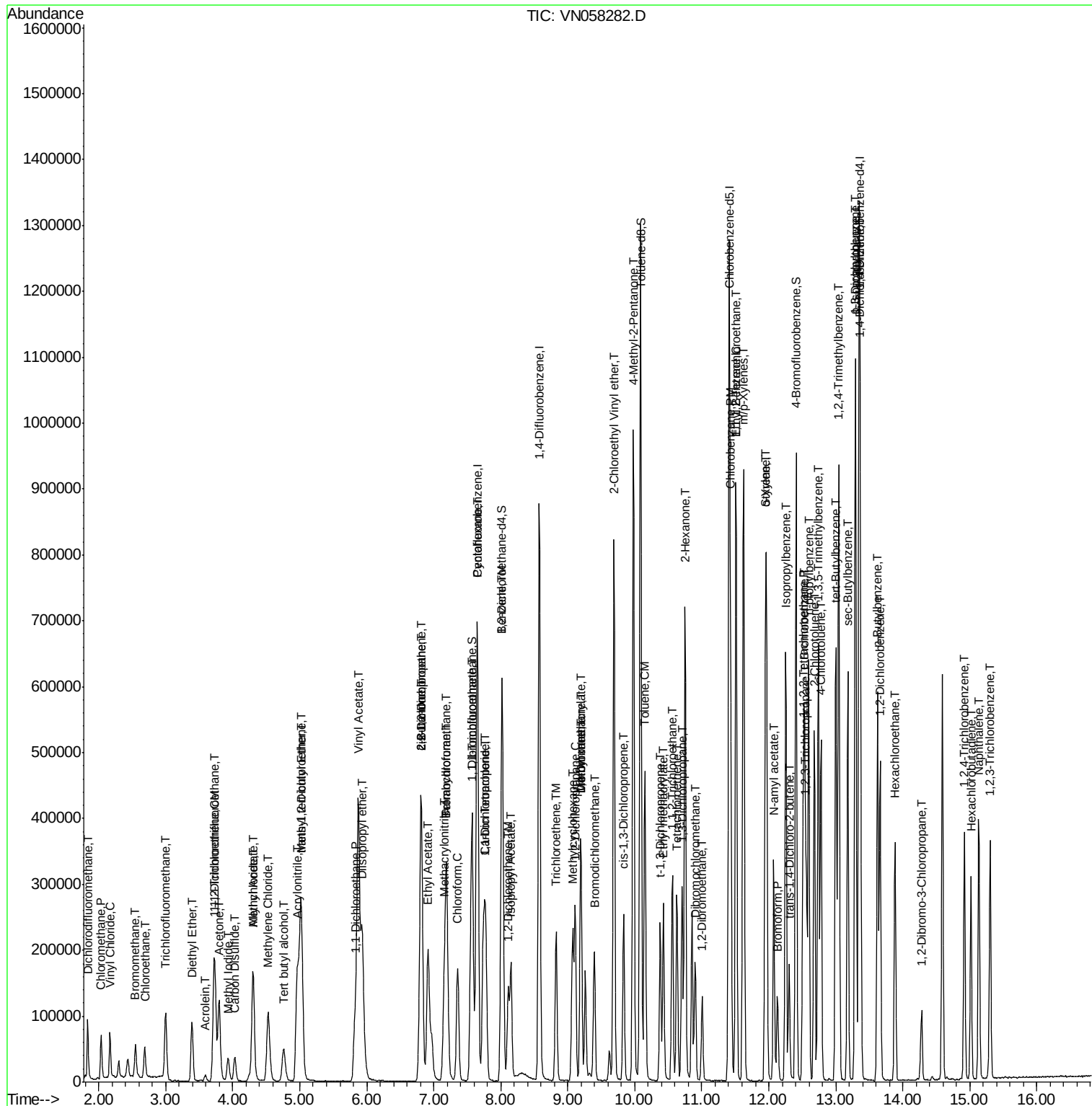
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Data File : VN058282.D
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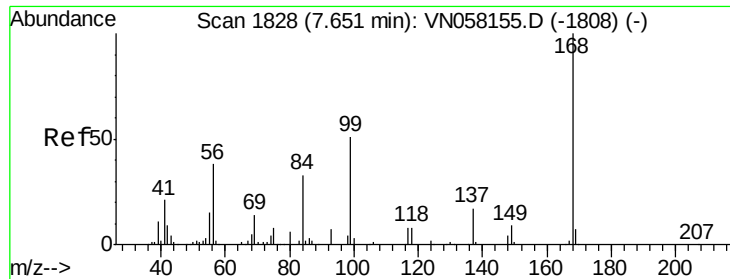
Instrument :
MSVOA_N
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion:168 Resp: 434697

Ion Ratio Lower Upper

168 100

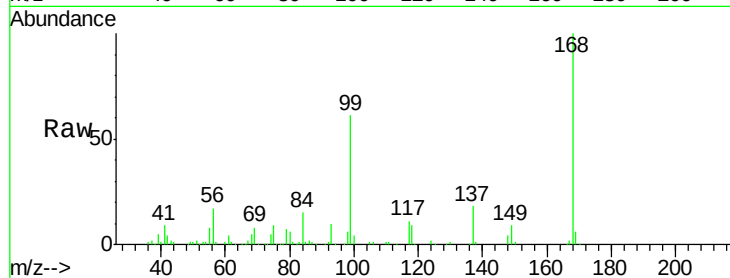
99 60.2 47.4 71.2

Manual Integrations

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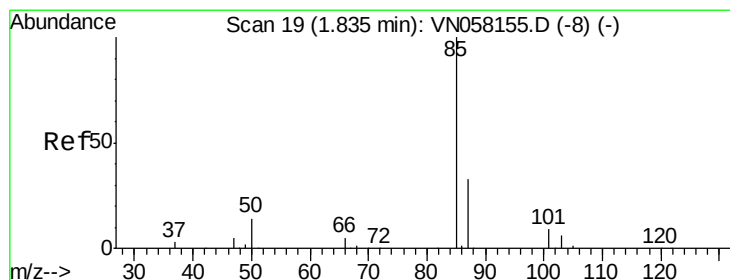
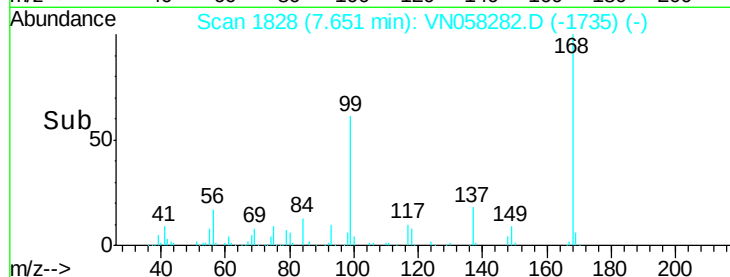
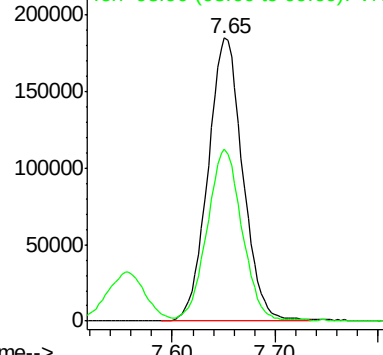
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.184 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058282.D

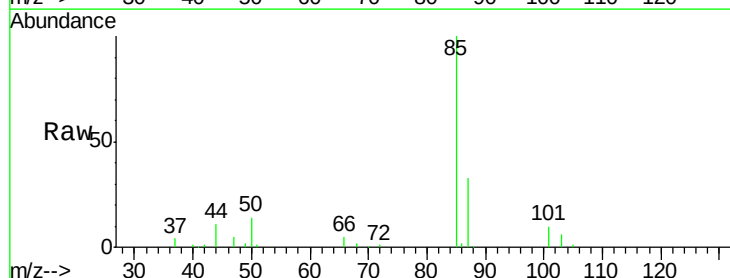
Acq: 23 Sep 2019 11:28

Tgt Ion: 85 Resp: 64933

Ion Ratio Lower Upper

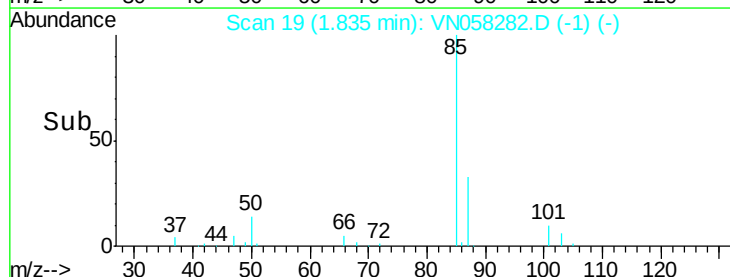
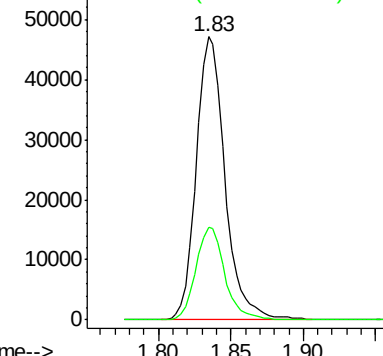
85 100

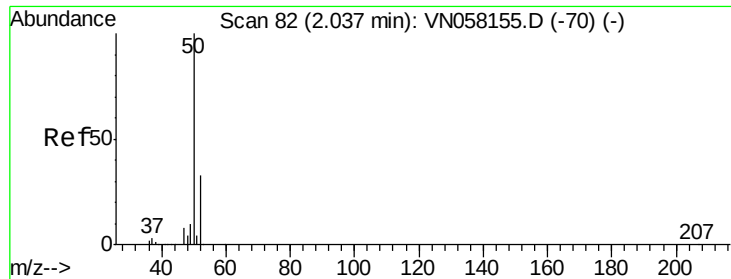
87 32.9 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.351 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 50 Resp: 57703

Ion Ratio Lower Upper

50 100

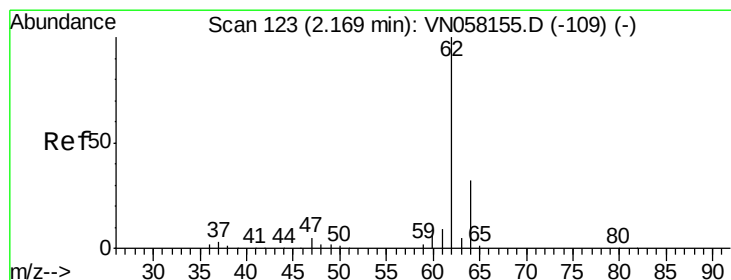
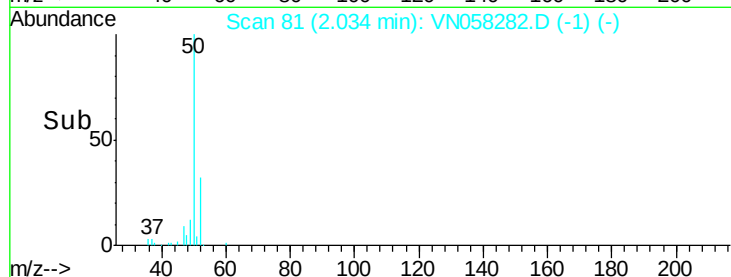
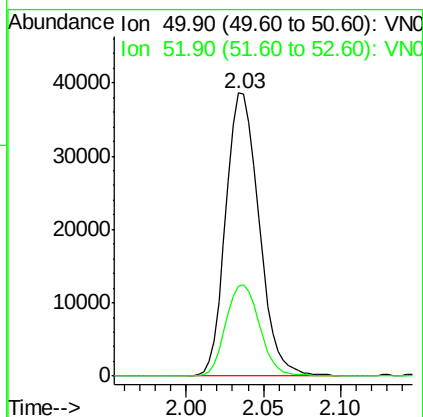
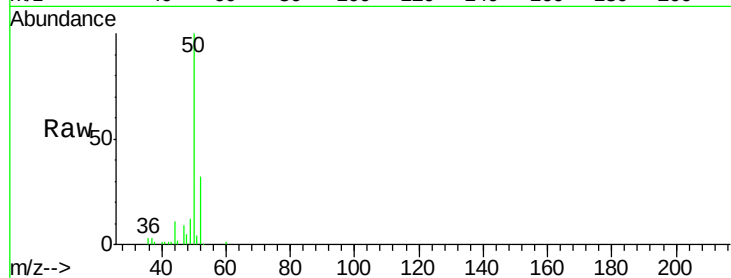
52 31.9 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.230 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058282.D

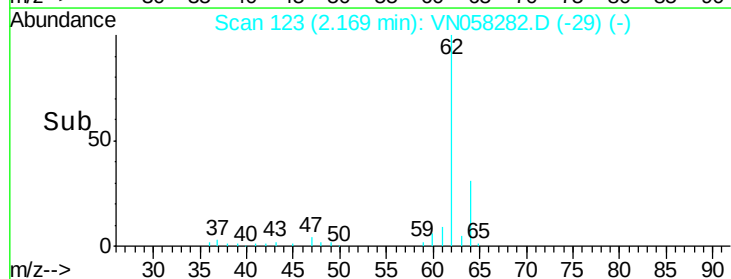
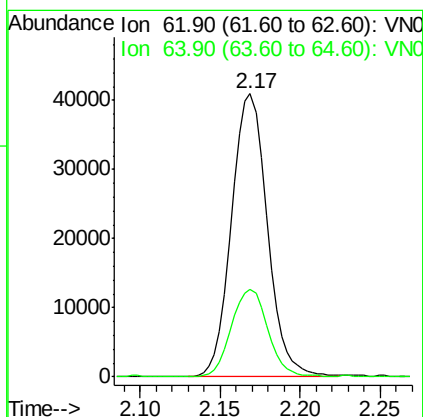
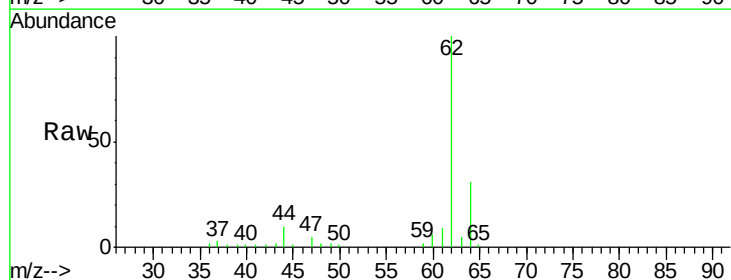
Acq: 23 Sep 2019 11:28

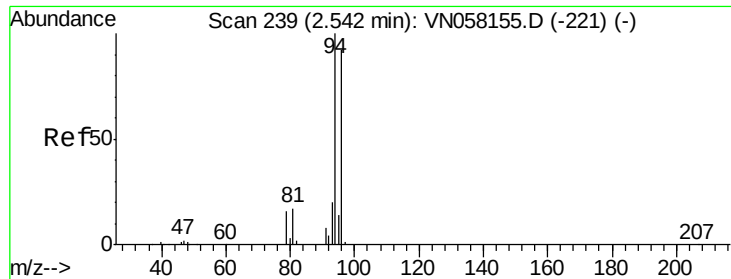
Tgt Ion: 62 Resp: 62516

Ion Ratio Lower Upper

62 100

64 30.9 25.4 38.2





#5

Bromomethane

Concen: 21.676 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

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Tot Ion: 94 Resp: 33875

Ion Ratio Lower Upper

94 100

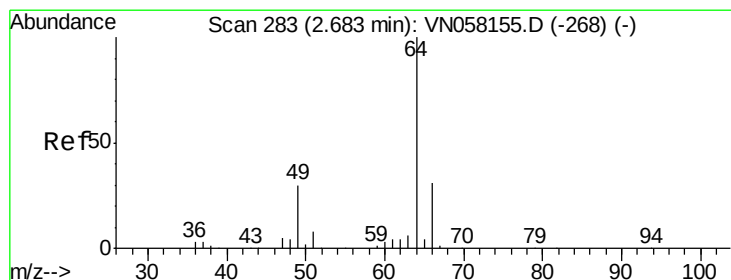
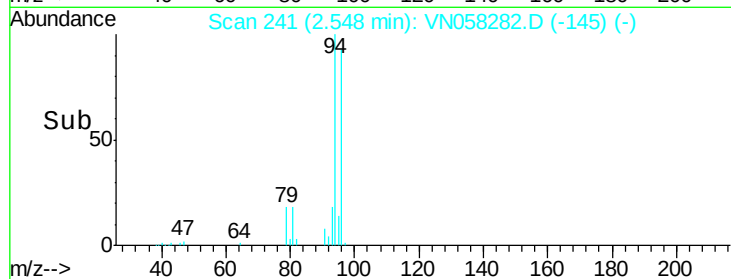
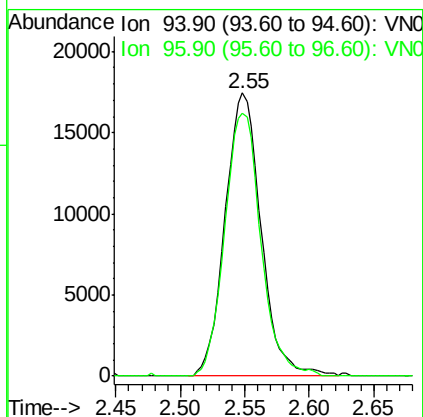
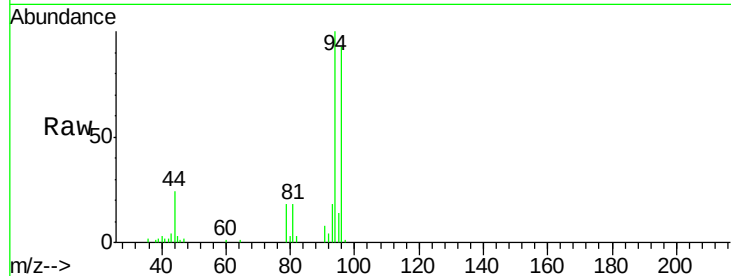
96 92.9 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 21.161 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058282.D

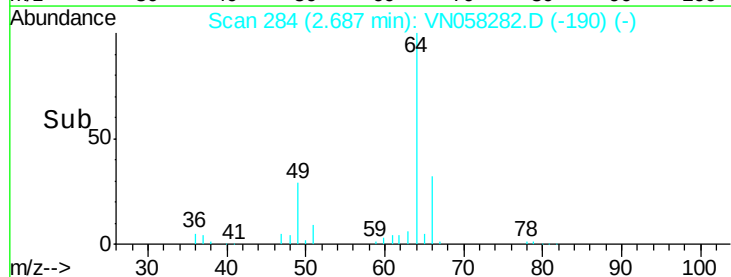
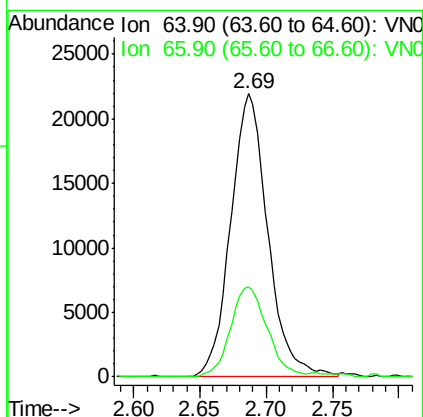
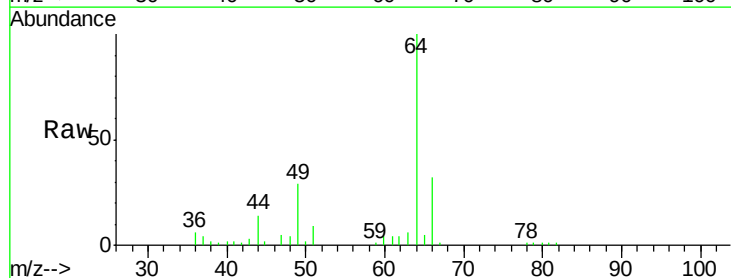
Acq: 23 Sep 2019 11:28

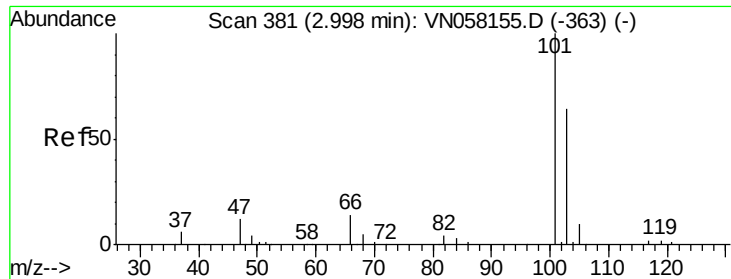
Tgt Ion: 64 Resp: 42748

Ion Ratio Lower Upper

64 100

66 31.9 24.6 37.0





#7

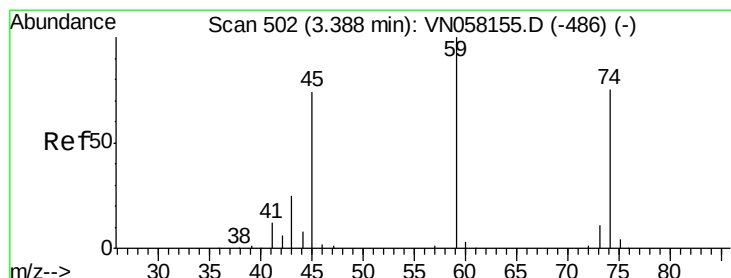
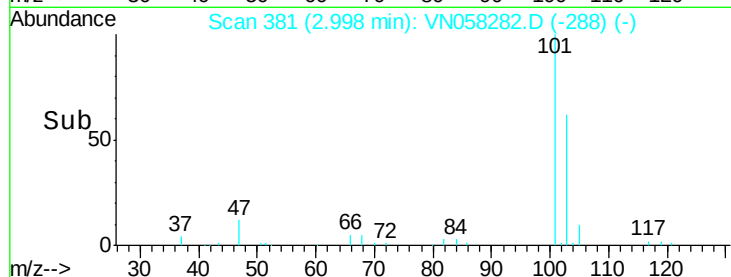
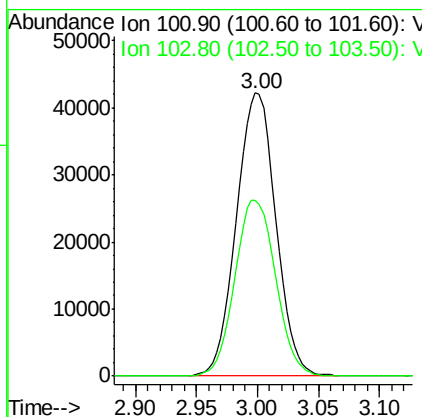
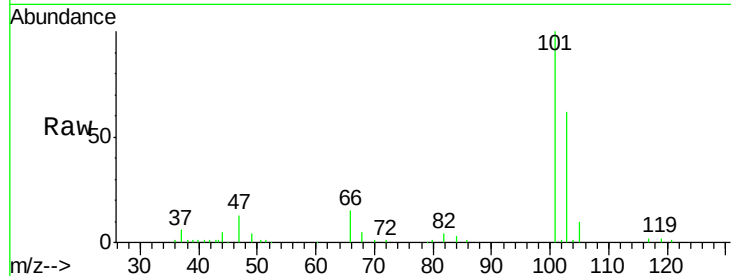
Trichlorofluoromethane
Concen: 19.350 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.0	76.6

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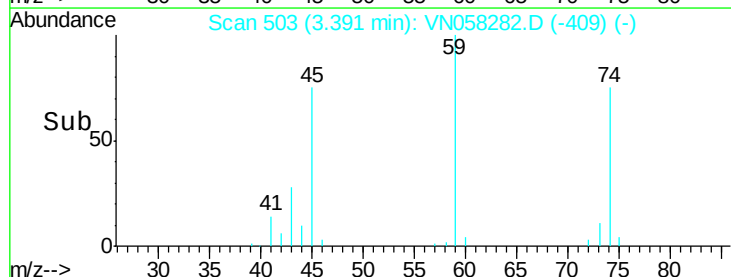
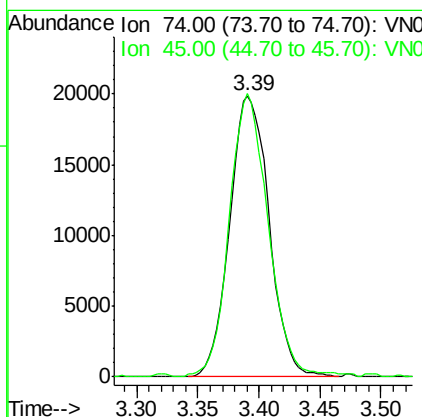
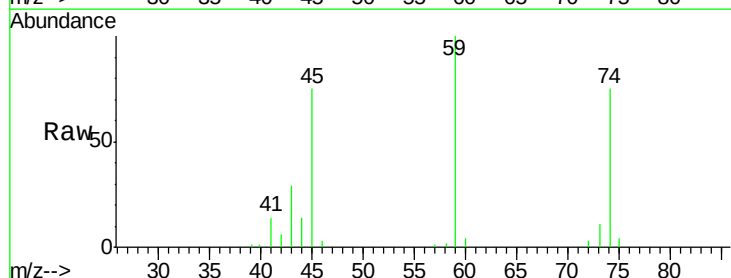
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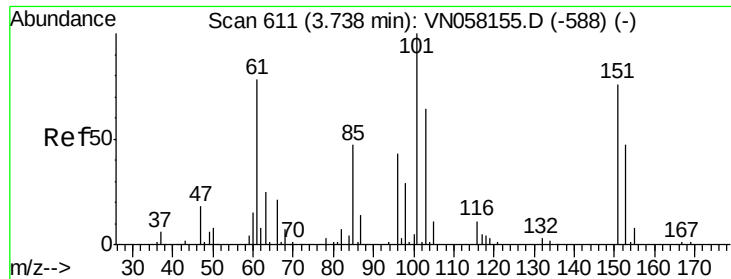


#8

Diethyl Ether
Concen: 19.908 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058282.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.0	48.5	145.5





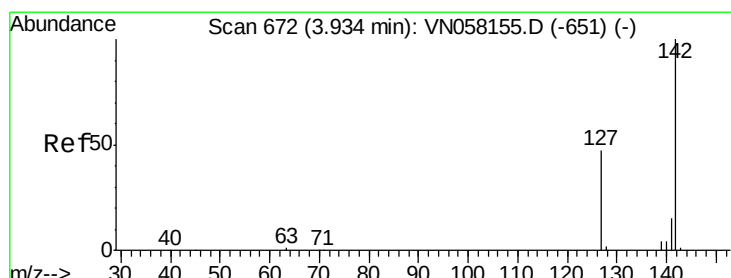
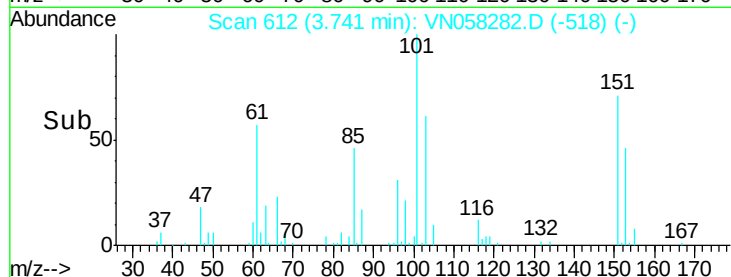
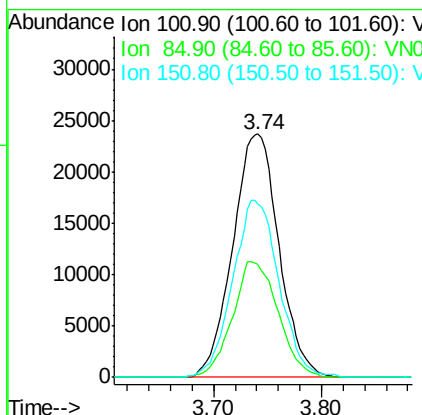
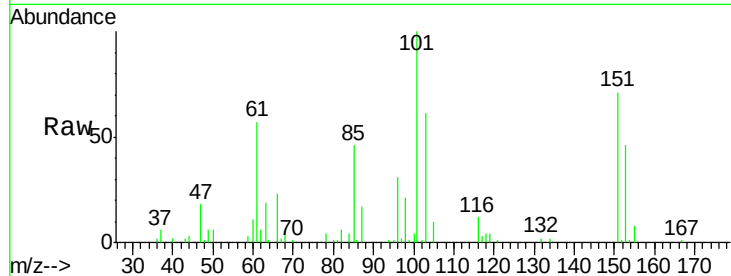
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.049 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.1	37.3	55.9
151	73.0	59.6	89.4

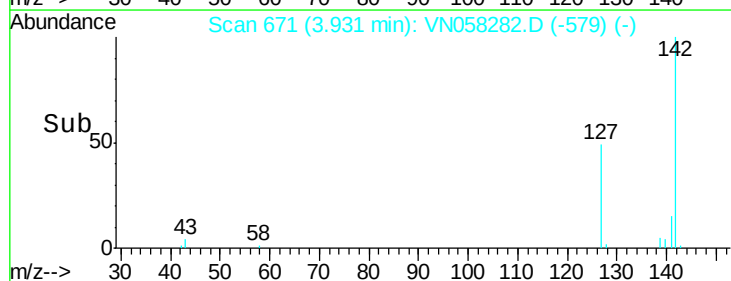
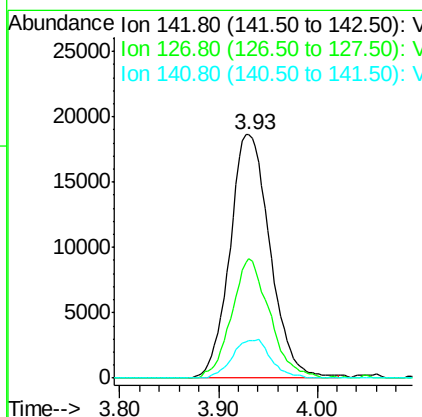
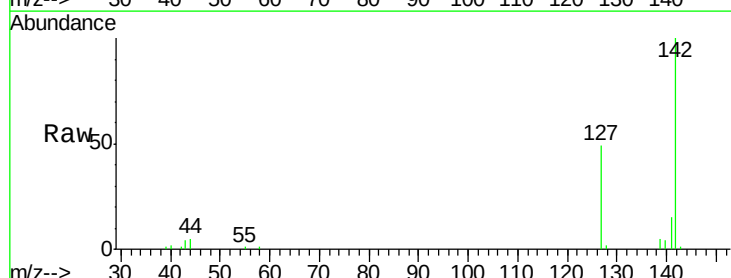
Manual Integrations
APPROVED

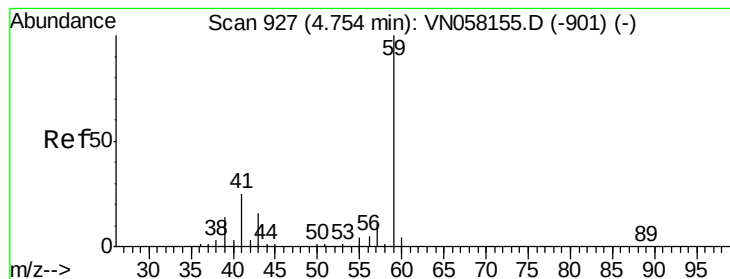
MMDadoda
9/25/2019 12:47:33 AM



#10
Methyl Iodide
Concen: 17.910 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.5	56.3
141	15.1	11.4	17.2





#11

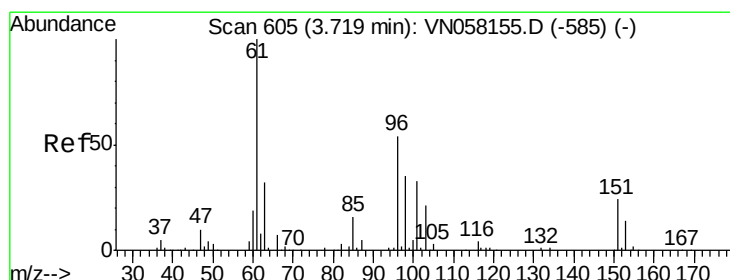
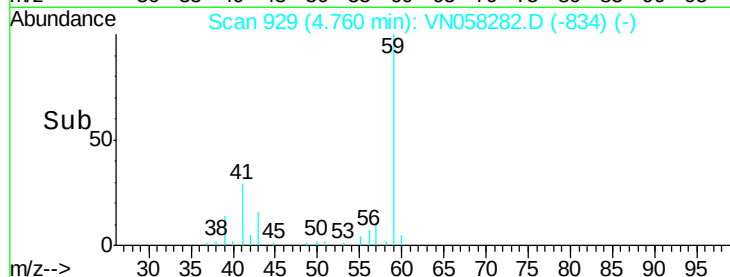
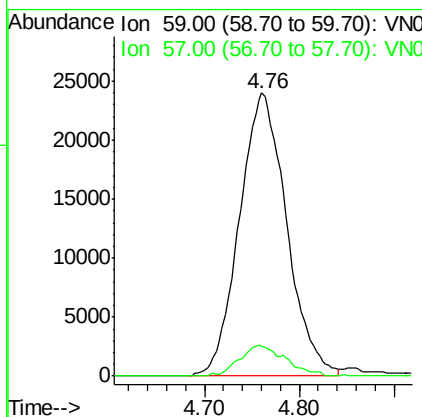
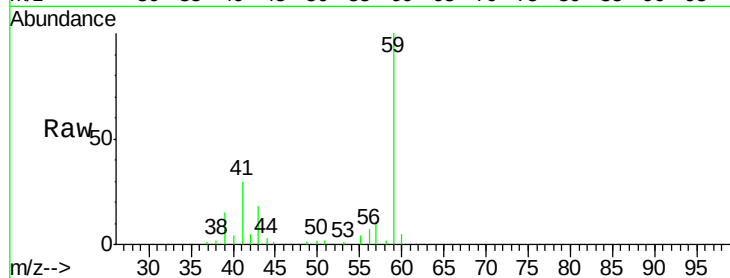
Tert butyl alcohol
Concen: 115.449 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.01 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.6	13.0

Manual Integrations
APPROVED

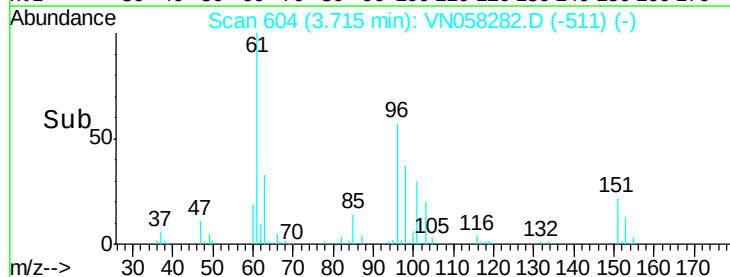
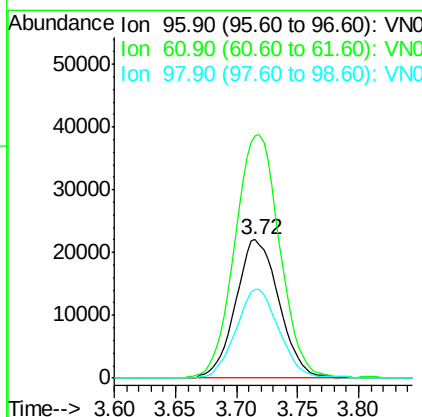
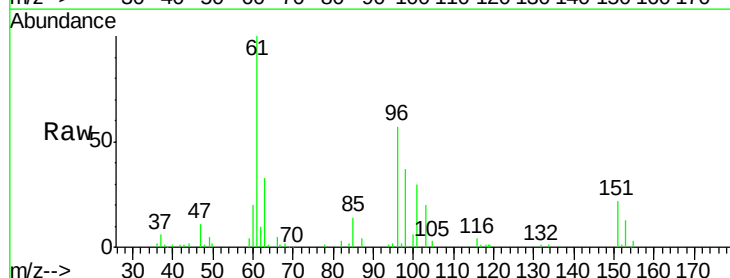
MMDadoda
9/25/2019 12:47:33 AM

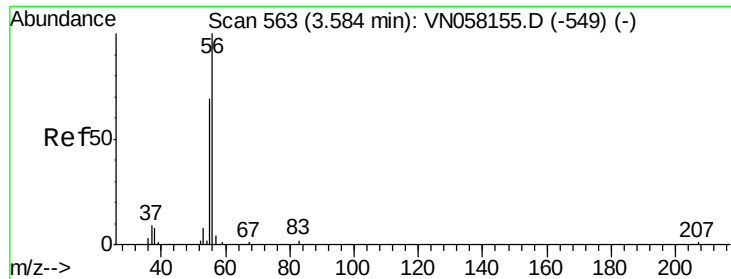


#12

1,1-Dichloroethene
Concen: 20.212 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.4	149.5	224.3
98	64.2	52.4	78.6





#13

Acrolein

Concen: 85.477 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 56 Resp: 9123

Ion Ratio Lower Upper

56 100

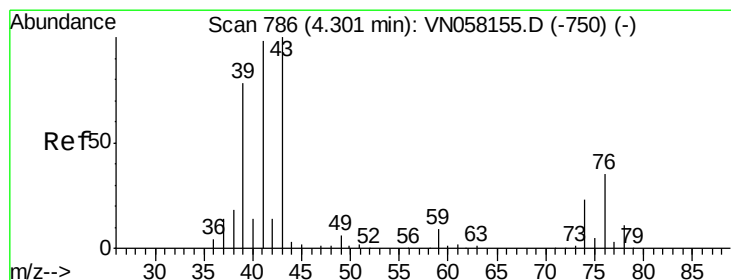
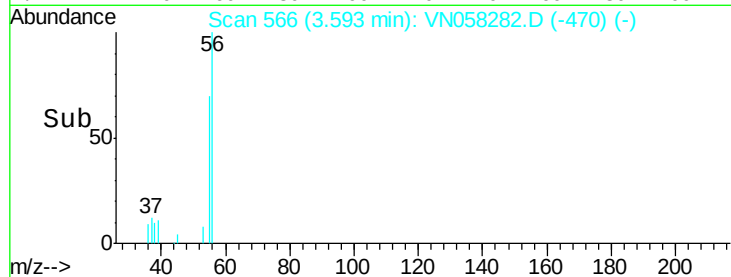
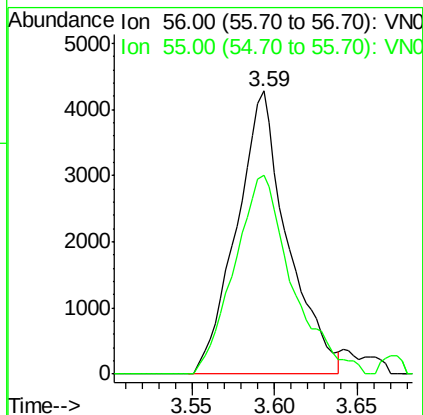
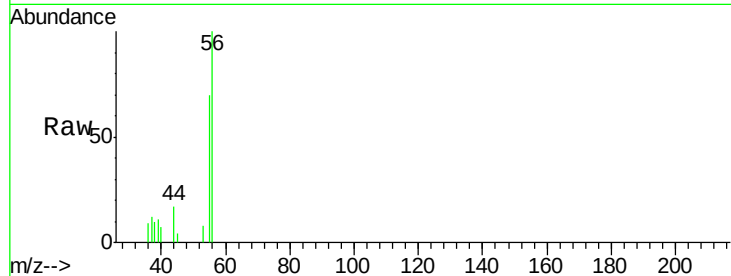
55 79.4 56.1 84.1

Manual Integrations

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MMDadoda

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#14

Allyl chloride

Concen: 19.052 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

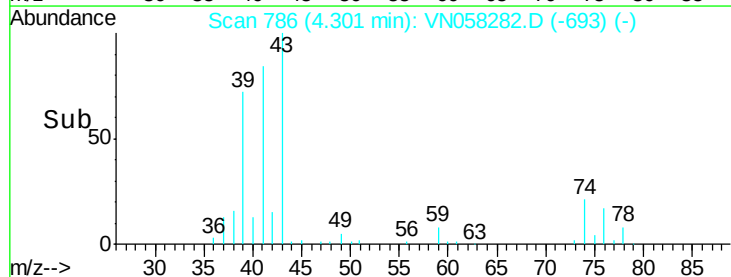
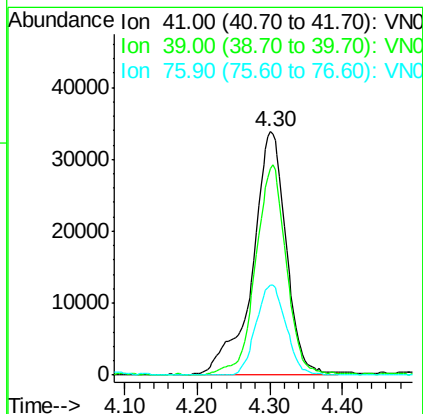
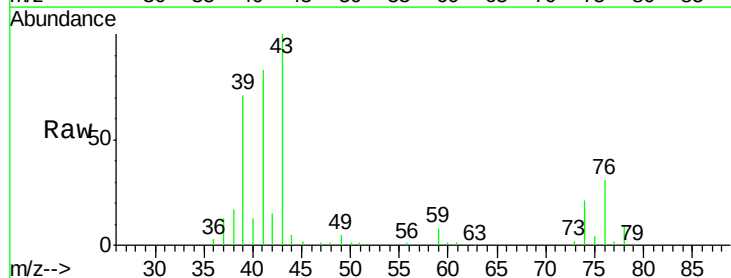
Tgt Ion: 41 Resp: 109559

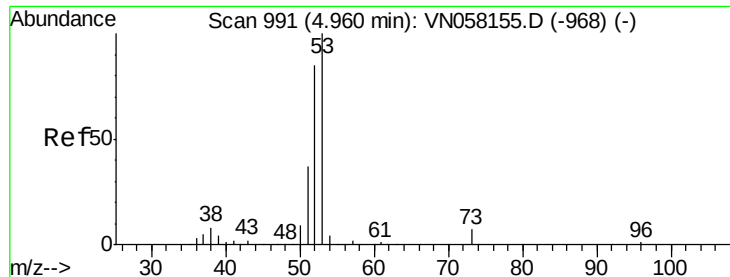
Ion Ratio Lower Upper

41 100

39 78.1 59.1 88.7

76 32.8 25.1 37.7





#15

Acrylonitrile

Concen: 114.951 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

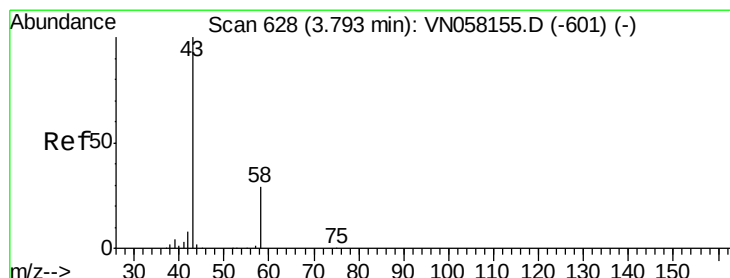
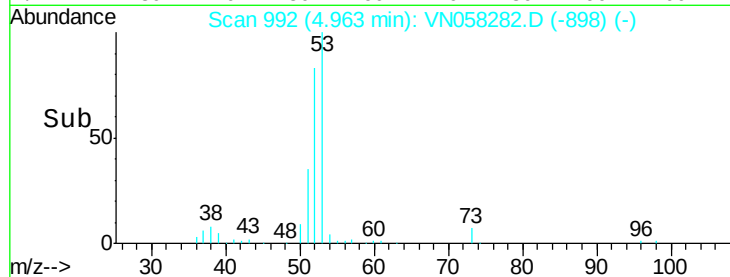
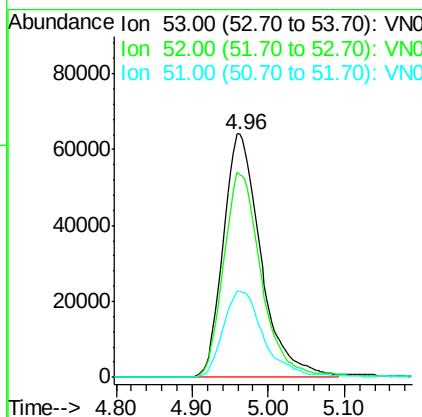
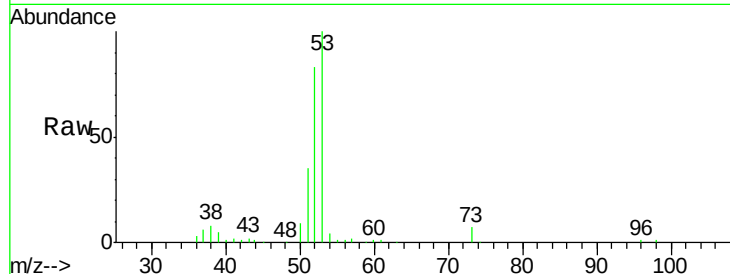
ClientSampleId :

VN0923WBS01

Tot Ion:	53	Resp:	220568
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.6	100.0
51	37.7	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 98.501 ug/l

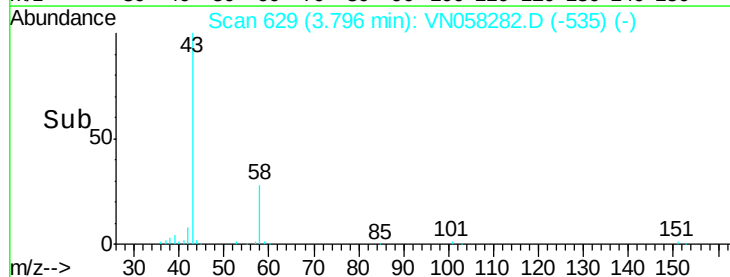
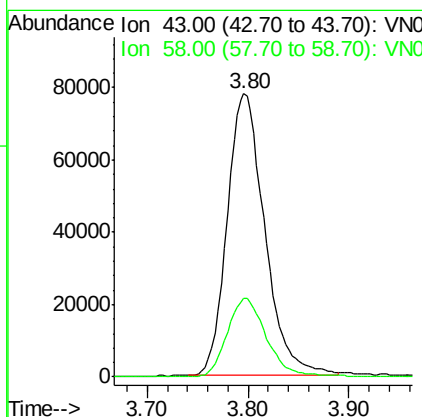
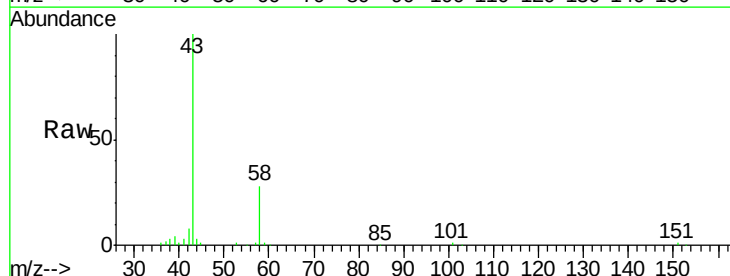
RT: 3.80 min Scan# 629

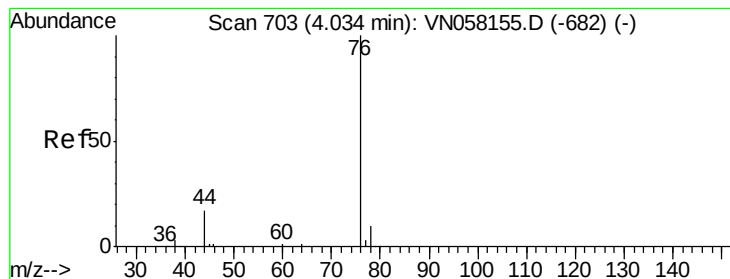
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	43	Resp:	202432
Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.4	35.2





#17

Carbon Disulfide

Concen: 18.857 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 76 Resp: 70149

Ion Ratio Lower Upper

76 100

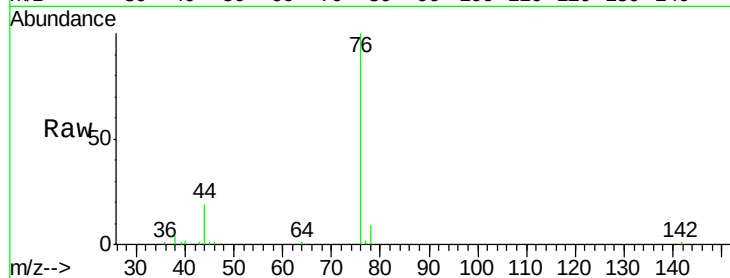
78 8.8 7.7 11.5

Manual Integrations

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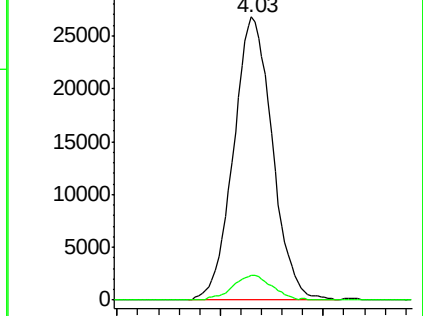
MMDadoda

9/25/2019 12:47:33 AM

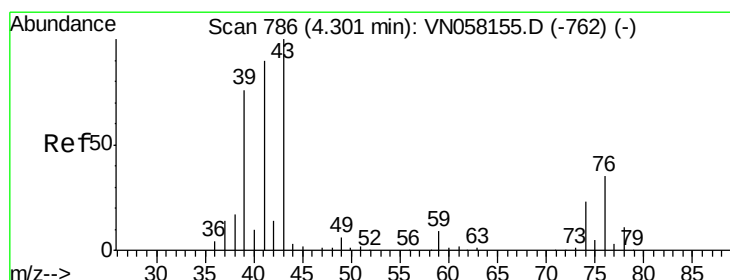
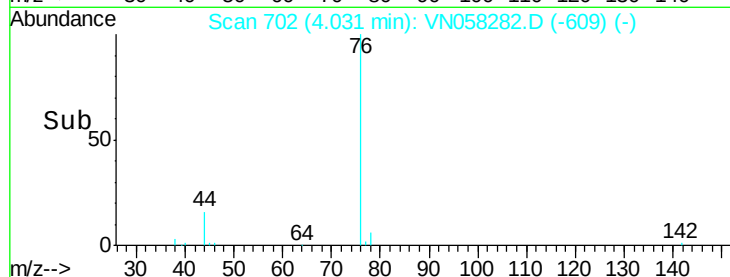


Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 22.131 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058282.D

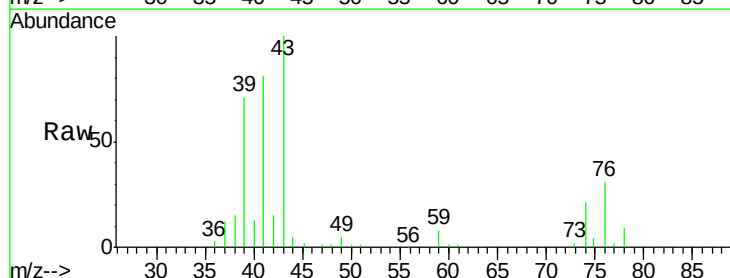
Acq: 23 Sep 2019 11:28

Tgt Ion: 43 Resp: 119678

Ion Ratio Lower Upper

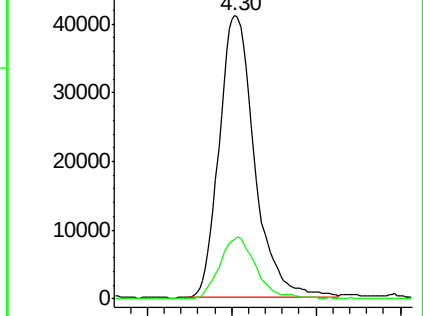
43 100

74 22.6 18.0 27.0

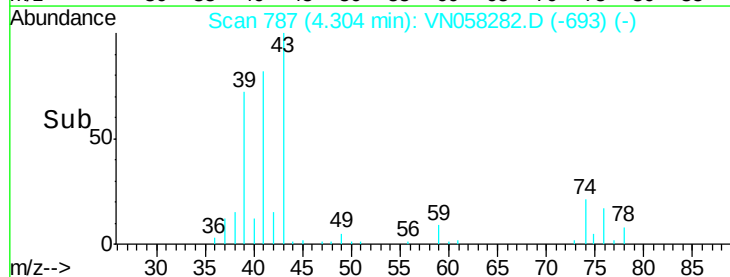


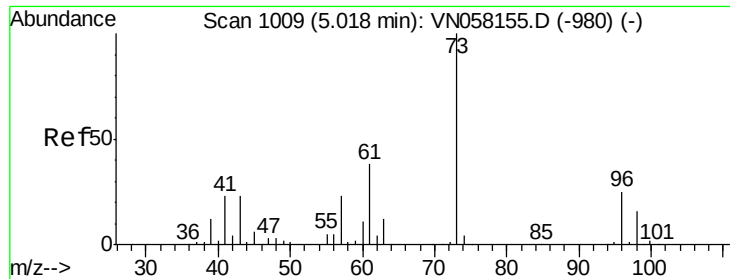
Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC



Time--> 4.20 4.30 4.40





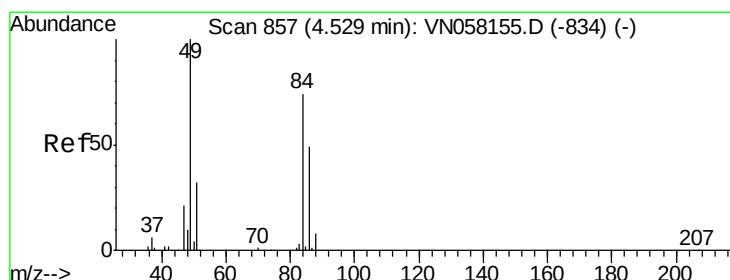
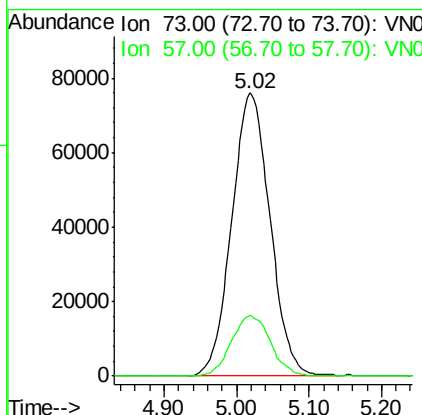
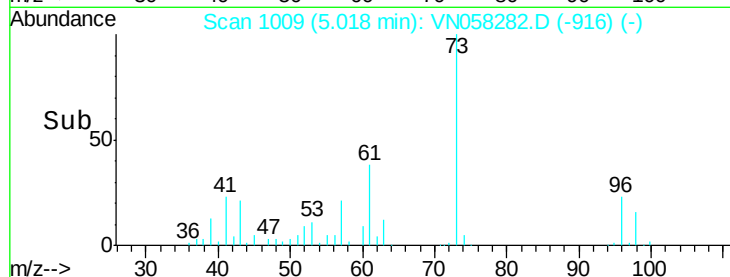
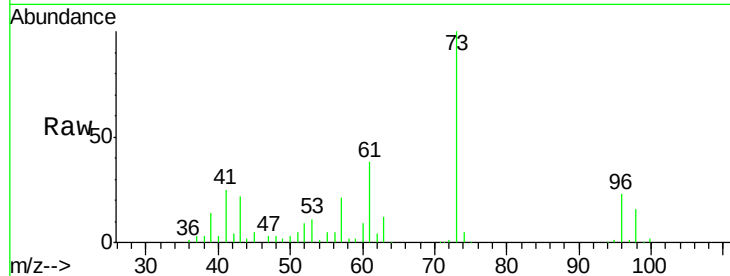
#19
Methyl tert-butyl Ether
Concen: 21.048 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.1	27.1

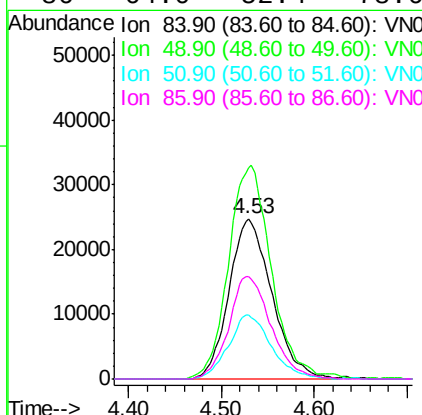
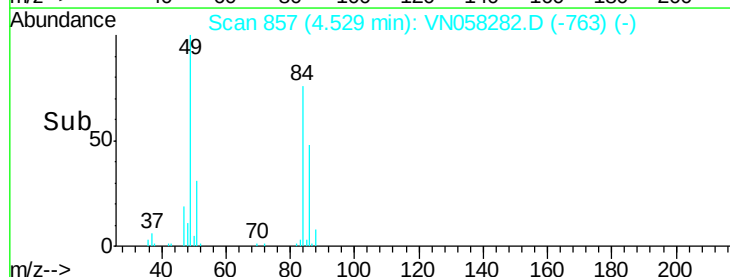
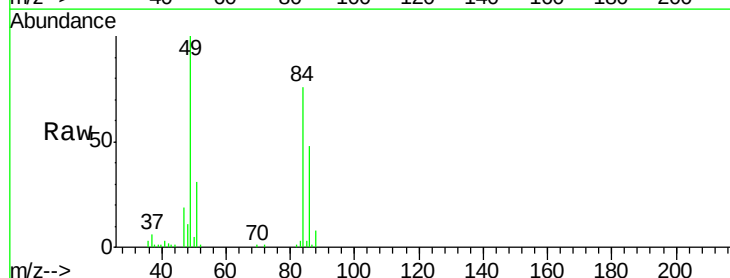
Manual Integrations
APPROVED

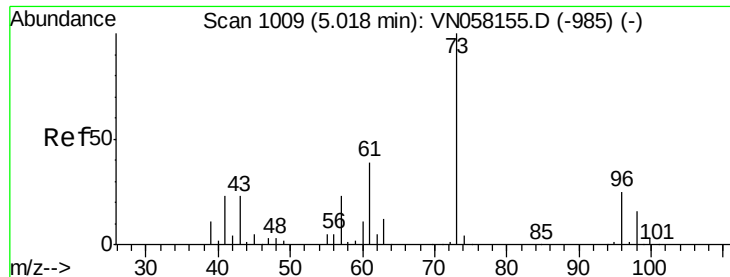
MMDadoda
9/25/2019 12:47:33 AM



#20
Methylene Chloride
Concen: 21.899 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.2	107.5	161.3
51	40.3	33.9	50.9
86	64.0	52.4	78.6





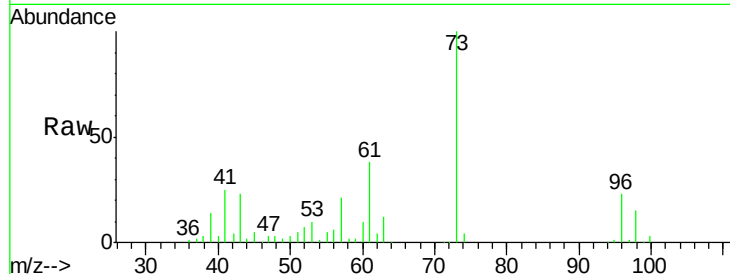
#21
trans-1,2-Dichloroethene
Concen: 20.086 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.7	122.2	183.4
98	66.2	49.9	74.9

Manual Integrations
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MMDadoda
9/25/2019 12:47:33 AM

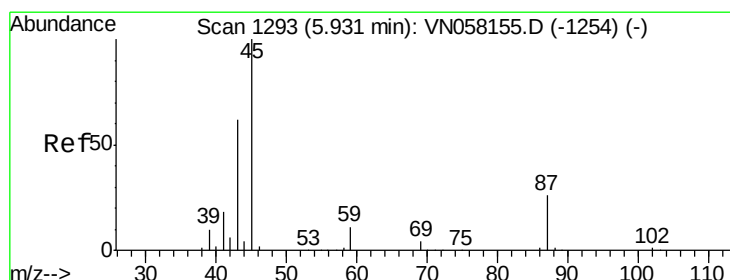
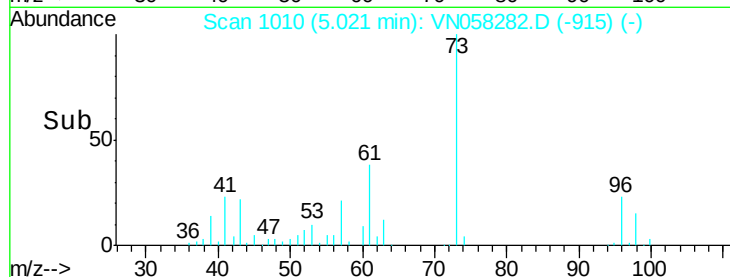
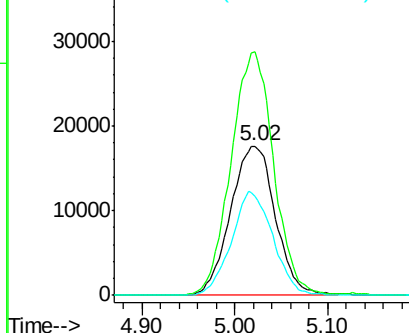


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 20.581 ug/l
RT: 5.93 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.9	49.7	74.5
87	25.7	20.7	31.1
59	11.9	9.1	13.7

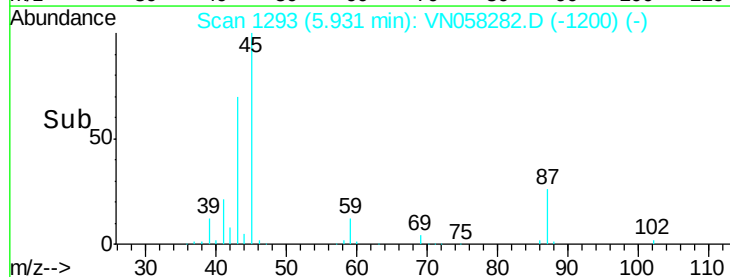
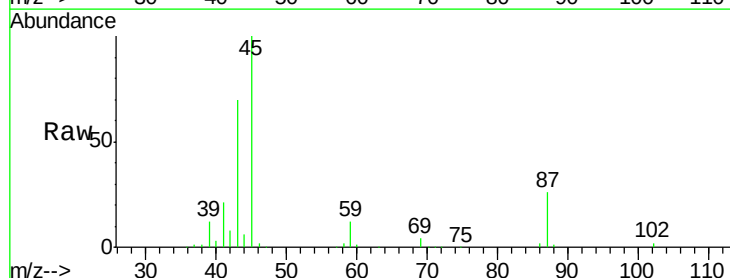
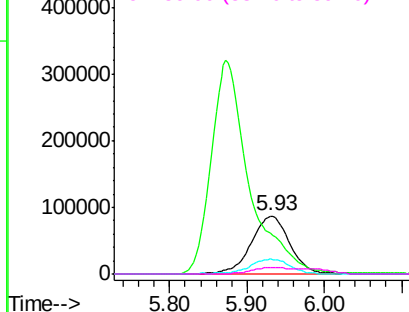
Abundance

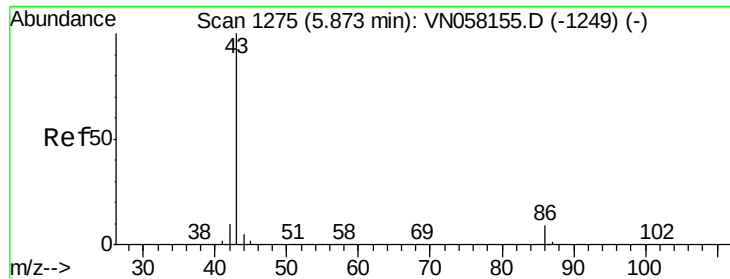
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





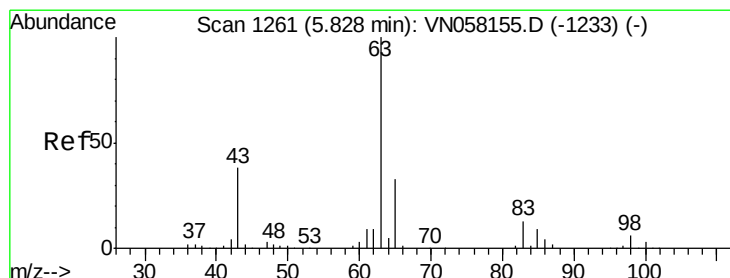
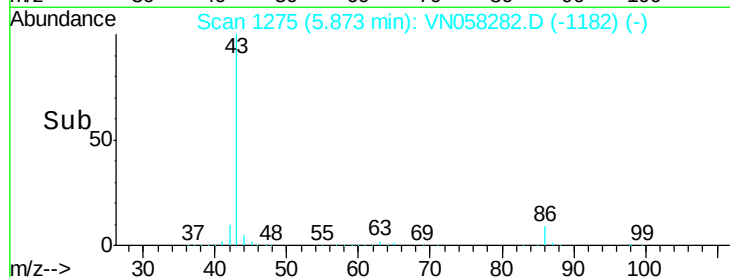
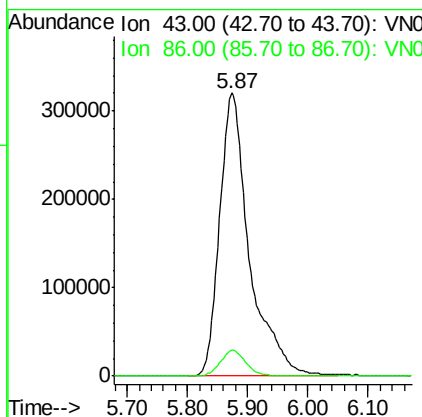
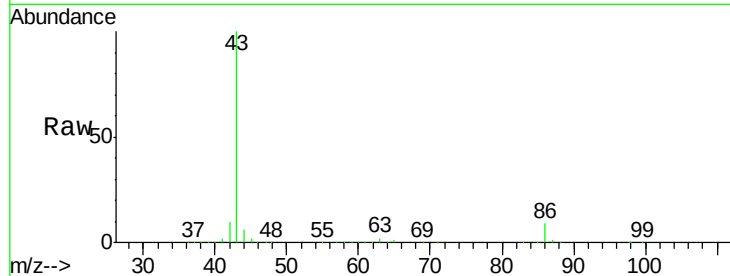
#23
 Vinyl Acetate
 Concen: 110.080 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion: 43 Resp: 1100256
 Ion Ratio Lower Upper
 43 100
 86 9.1 7.4 11.2

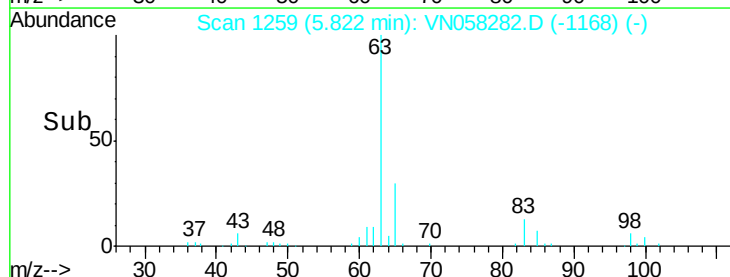
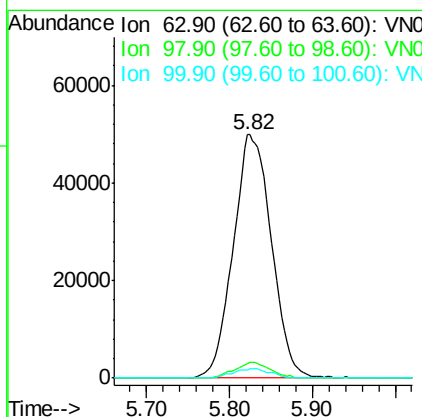
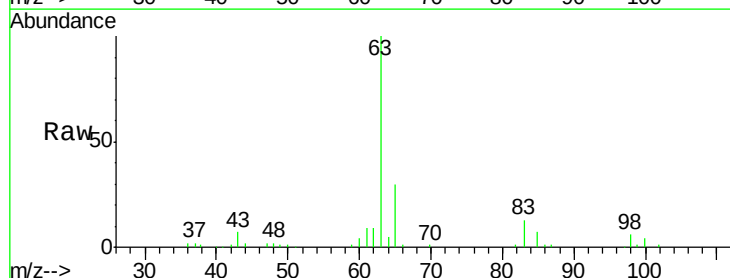
Manual Integrations
 APPROVED

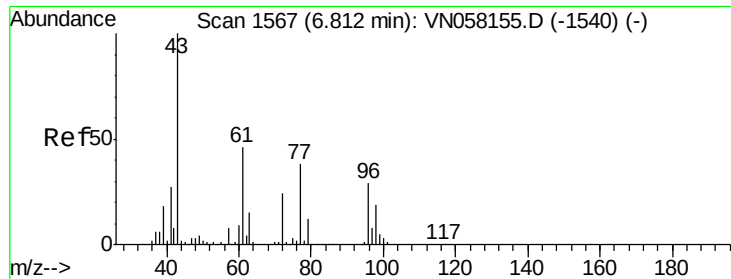
MMDadoda
 9/25/2019 12:47:33 AM



#24
 1,1-Dichloroethane
 Concen: 20.492 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. -0.01 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 63 Resp: 159756
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.5 1.8 5.3





#25

2-Butanone

Concen: 111.308 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 43 Resp: 311648

Ion Ratio Lower Upper

43 100

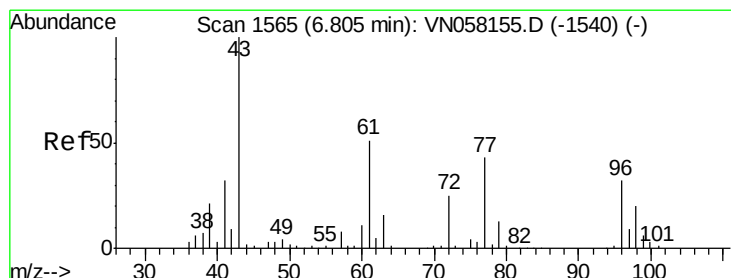
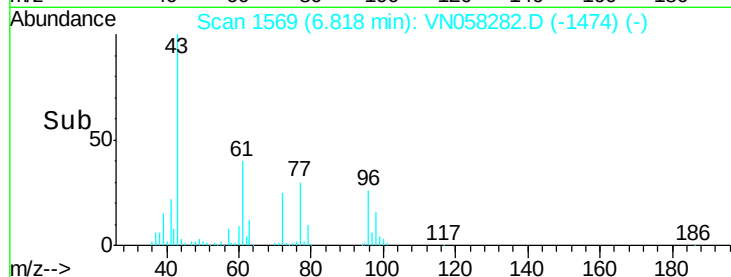
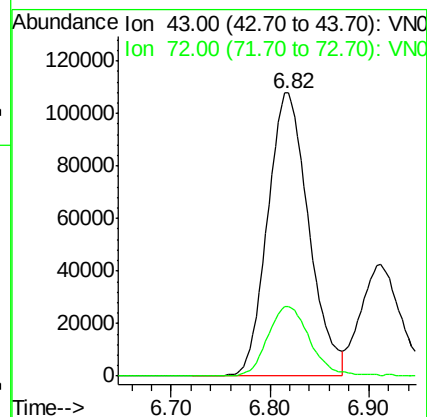
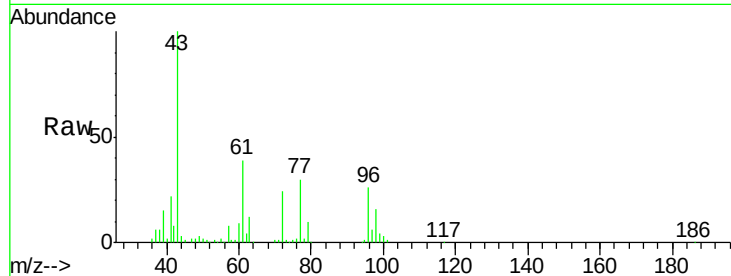
72 24.4 19.5 29.3

Manual Integrations

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9/25/2019 12:47:33 AM



#26

2,2-Dichloropropane

Concen: 18.839 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058282.D

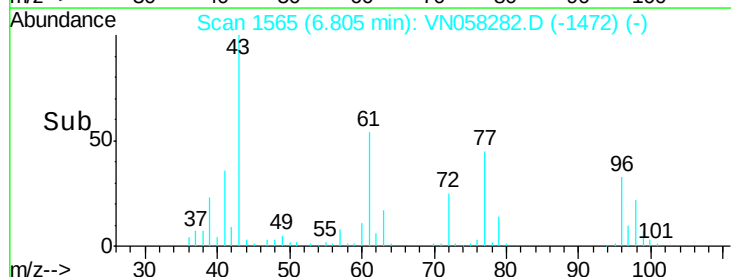
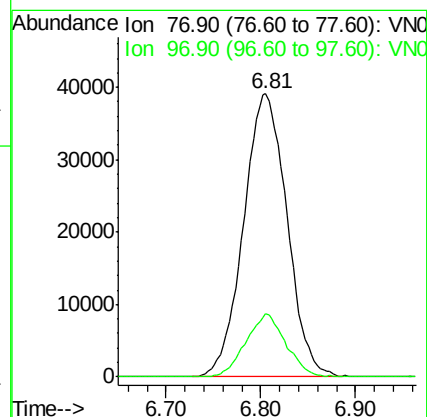
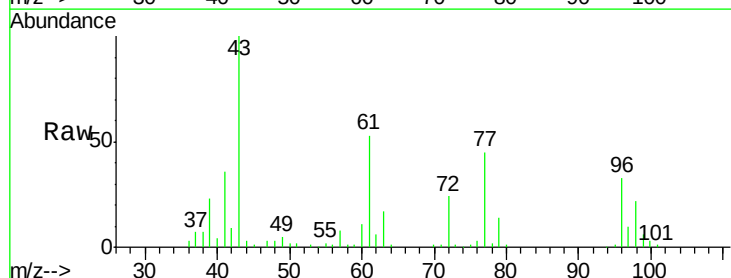
Acq: 23 Sep 2019 11:28

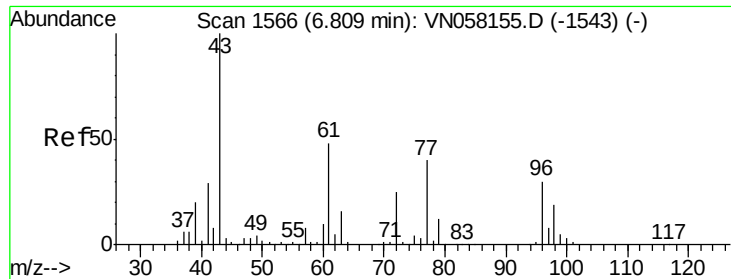
Tgt Ion: 77 Resp: 124599

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 20.107 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

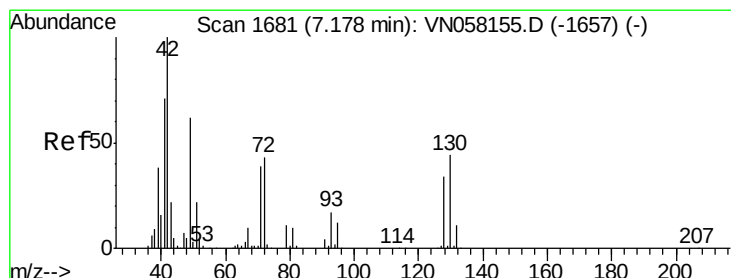
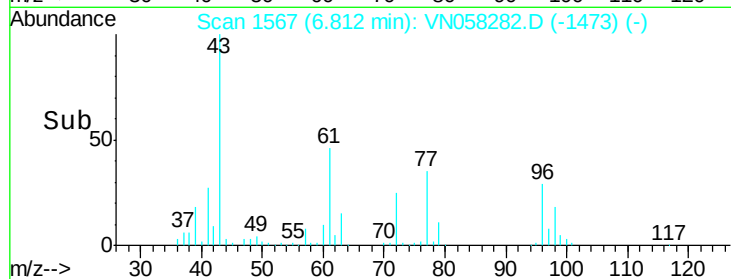
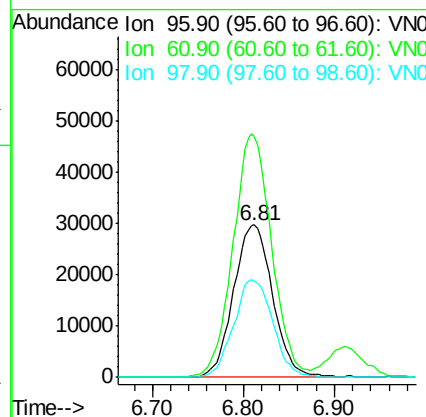
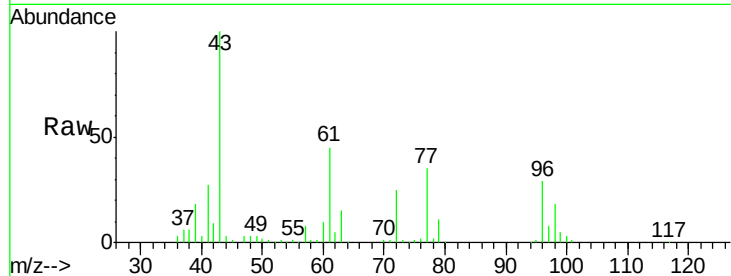
ClientSampleId :

VN0923WBS01

Tot Ion:	96	Resp:	88637
Ion	Ratio	Lower	Upper
96	100		
61	157.4	0.0	319.0
98	64.1	0.0	126.6

Manual Integrations
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#28

Bromochloromethane

Concen: 22.883 ug/l

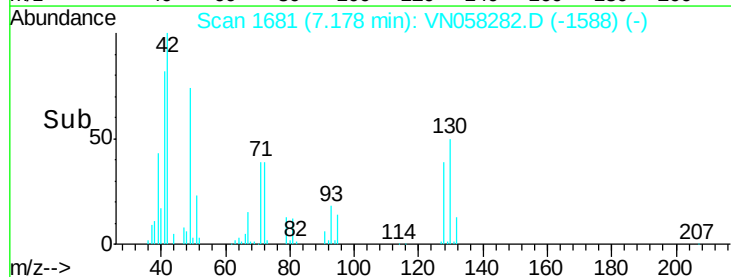
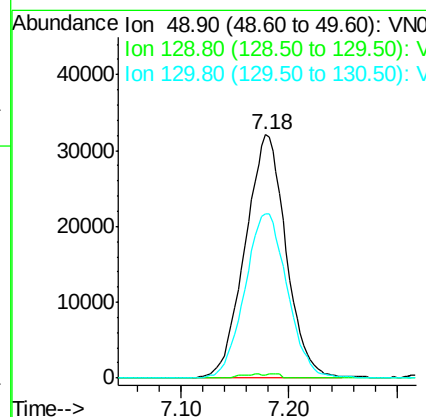
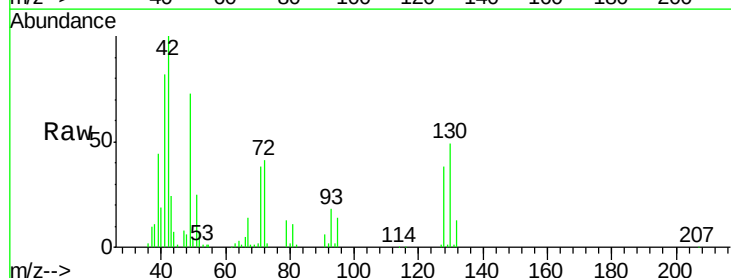
RT: 7.18 min Scan# 1681

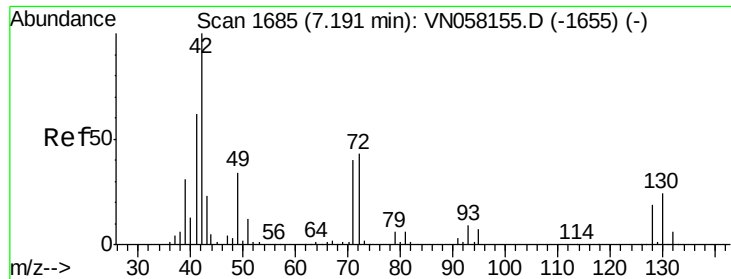
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	49	Resp:	84395
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	1.8
130	70.1	55.4	83.2





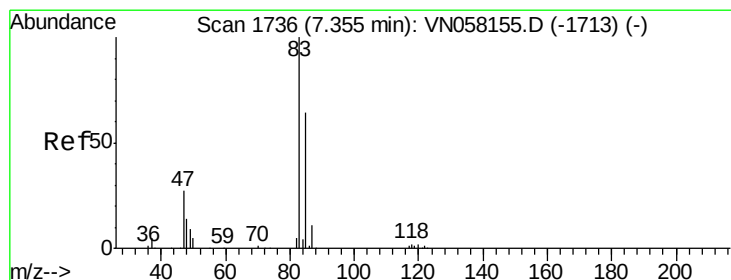
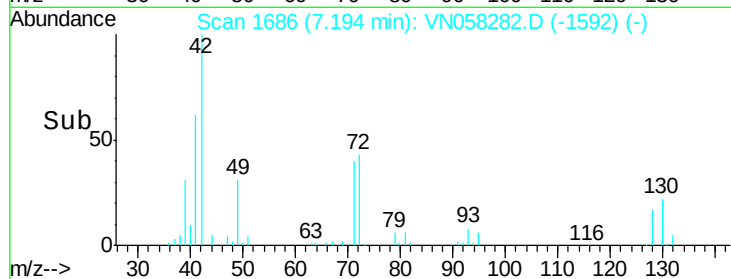
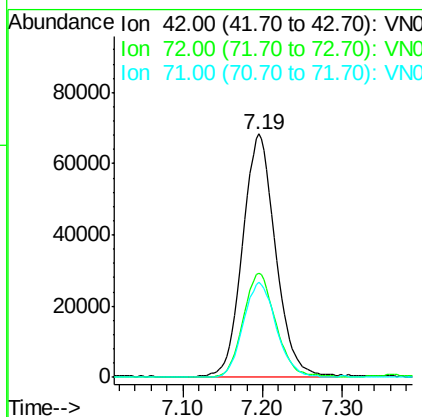
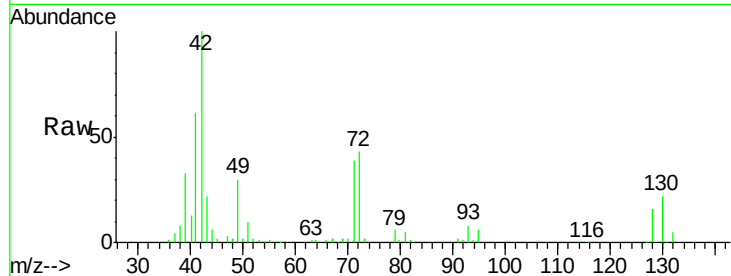
#29
Tetrahydrofuran
Concen: 111.326 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	191998		
72	41.9		33.8	50.6
71	38.8		31.4	47.0

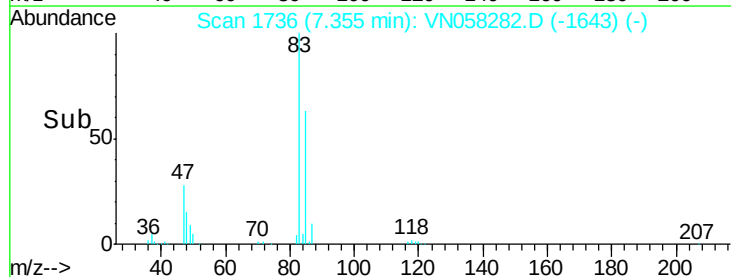
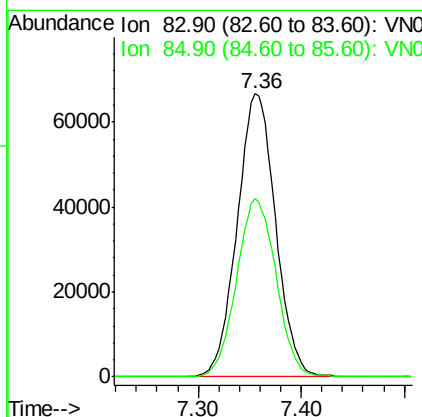
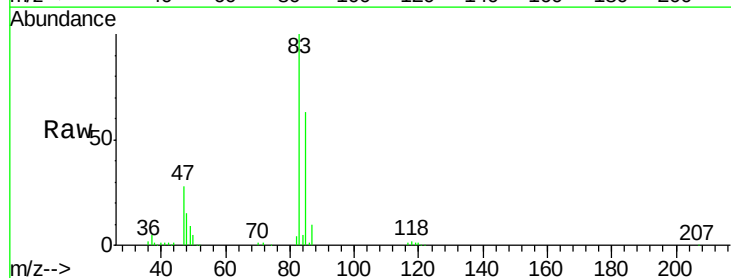
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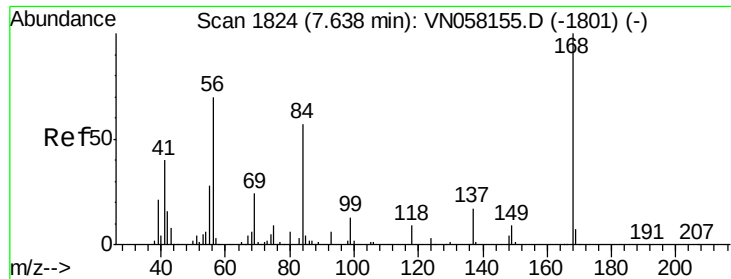
MMDadoda
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#30
Chloroform
Concen: 20.536 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	172333		
85	63.2		51.4	77.2





#31

Cyclohexane

Concen: 20.025 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

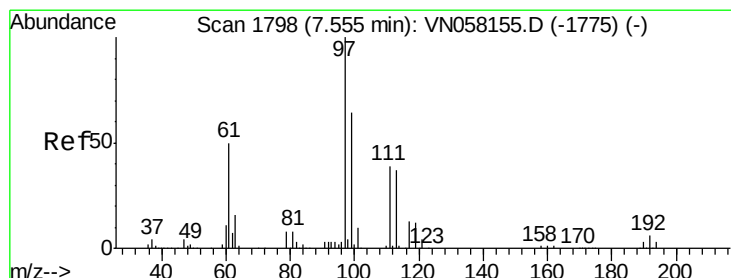
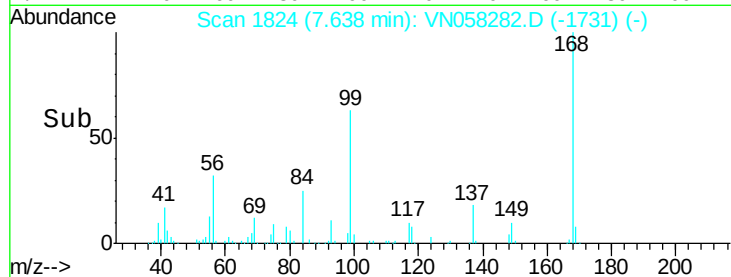
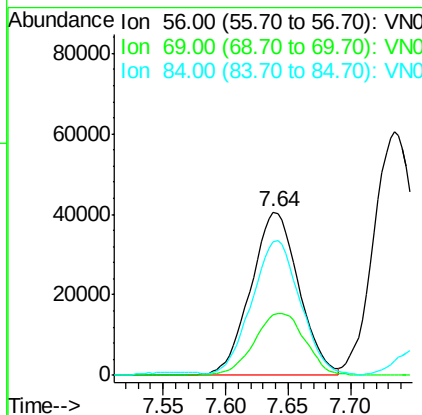
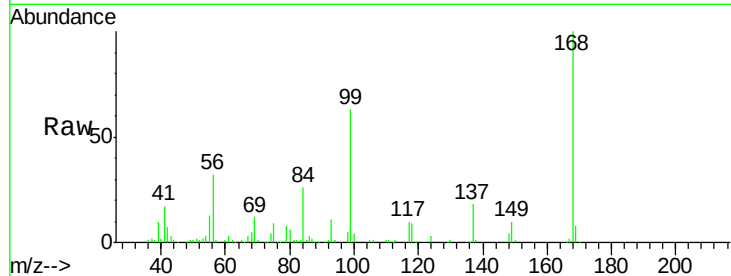
ClientSampled :

VN0923WBS01

Tot Ion:	56	Resp:	108210
Ion Ratio	Lower	Upper	
56	100		
69	37.1	27.3	40.9
84	80.2	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.836 ug/l

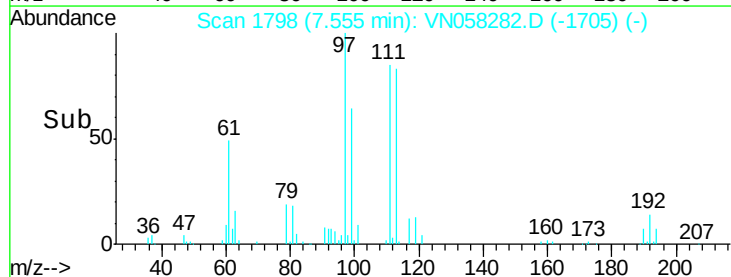
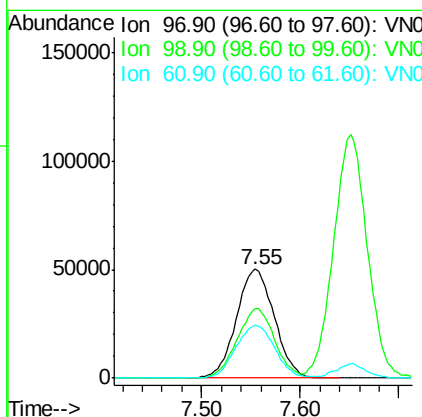
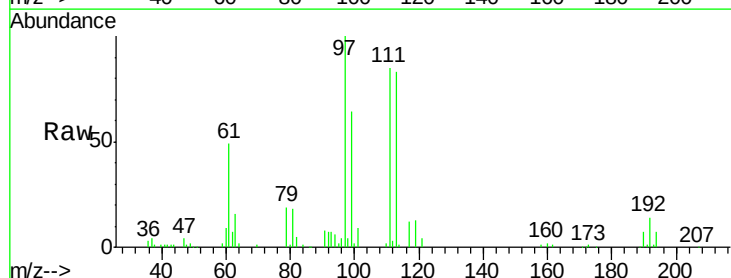
RT: 7.55 min Scan# 1798

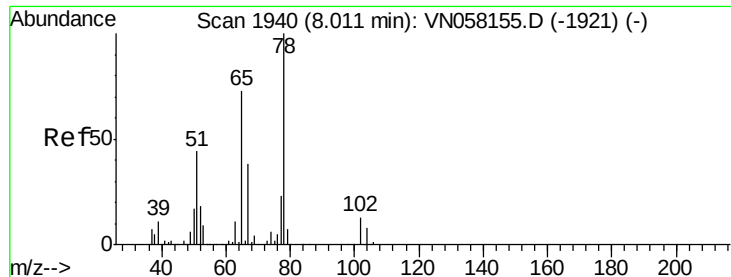
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	97	Resp:	133111
Ion Ratio	Lower	Upper	
97	100		
99	63.5	50.9	76.3
61	50.2	39.2	58.8





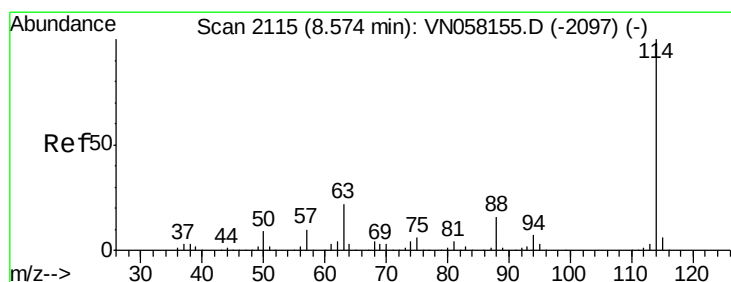
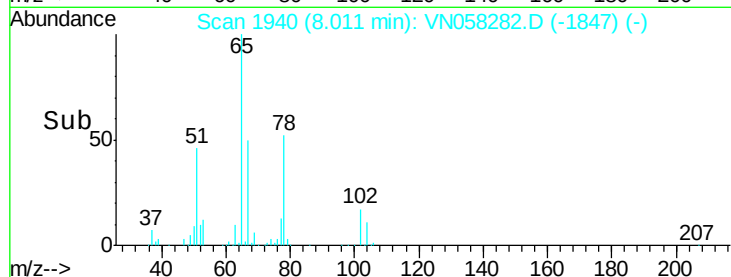
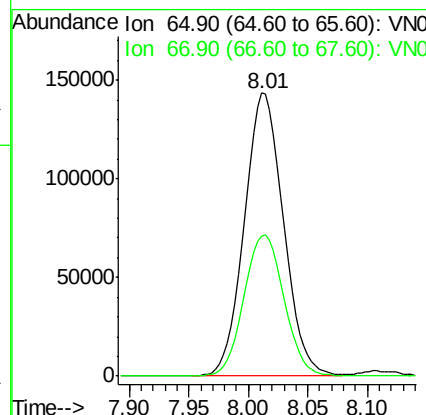
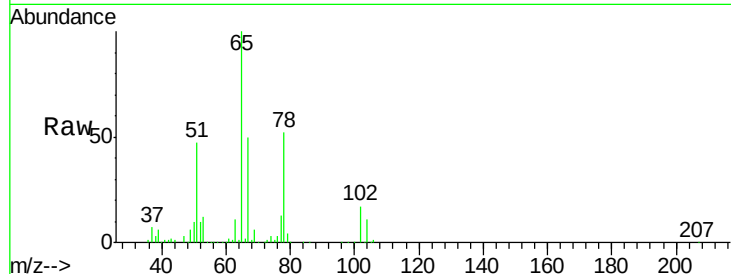
#33
 1,2-Dichloroethane-d4
 Concen: 54.048 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.1	0.0	103.4	

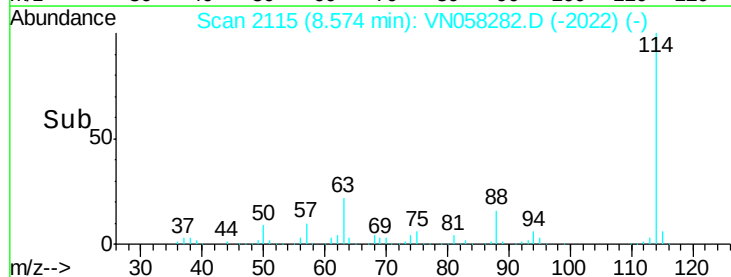
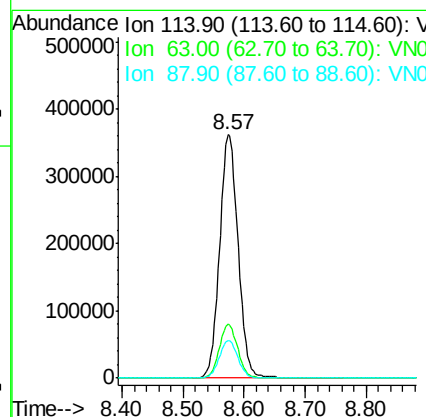
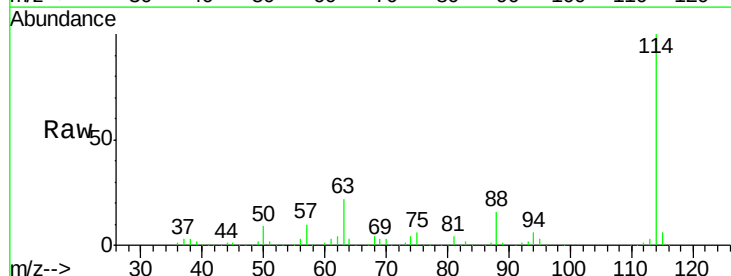
Manual Integrations
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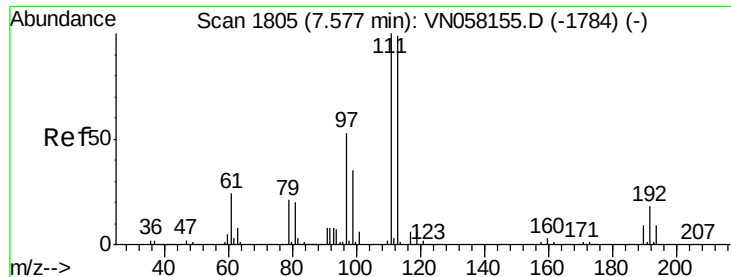
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.1	0.0	44.2	
88	15.6	0.0	31.6	





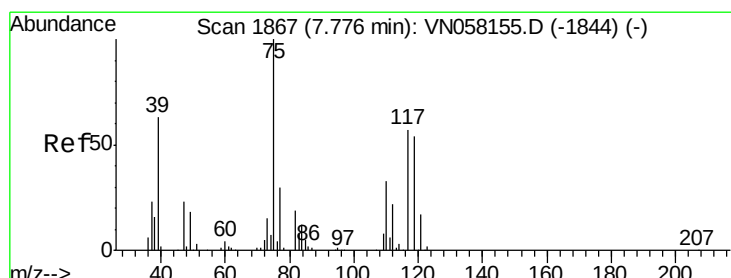
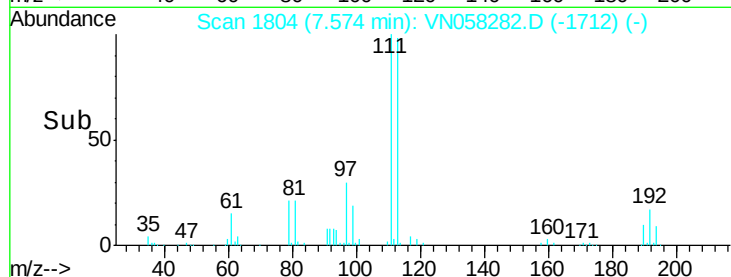
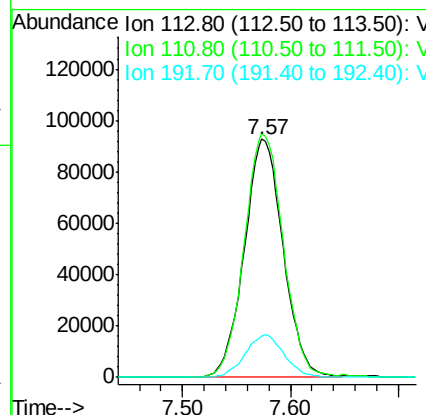
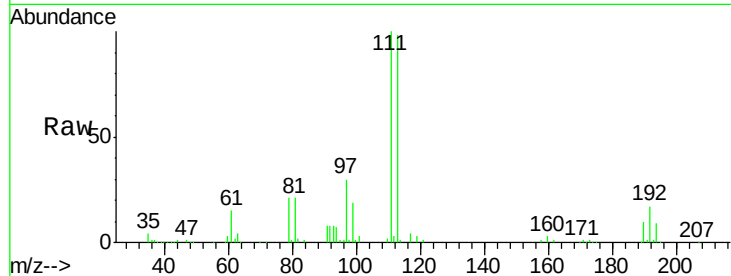
#35
 Dibromofluoromethane
 Concen: 50.200 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	231967		
111	102.7	81.8	122.6	
192	17.8	14.5	21.7	

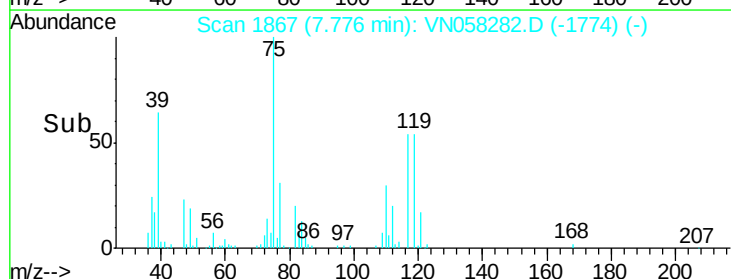
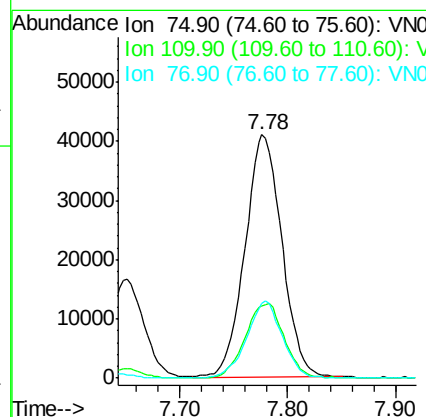
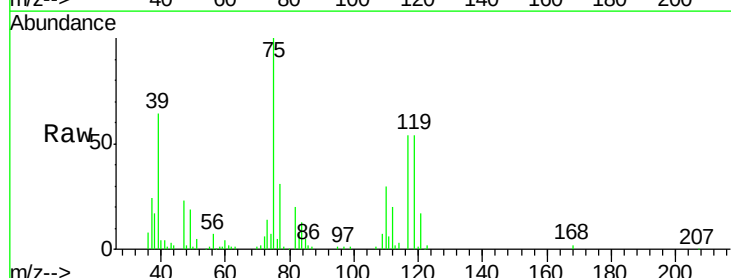
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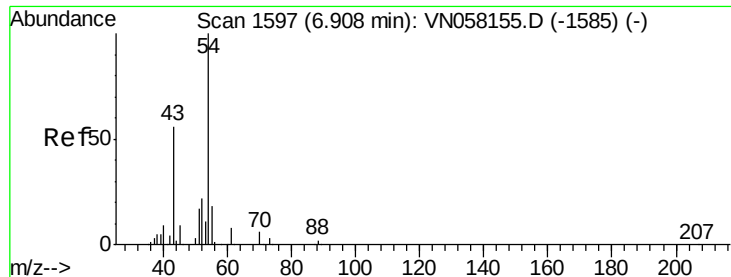
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#36
 1,1-Dichloropropene
 Concen: 17.776 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97439		
110	32.3	16.6	49.7	
77	30.9	24.3	36.5	





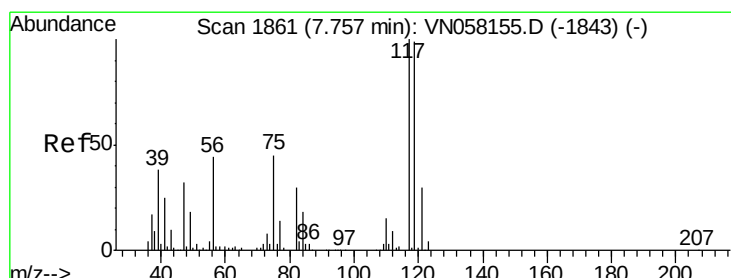
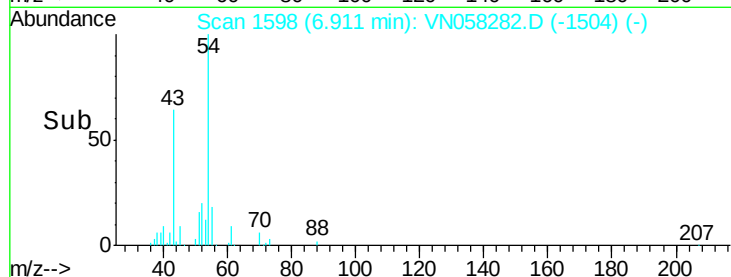
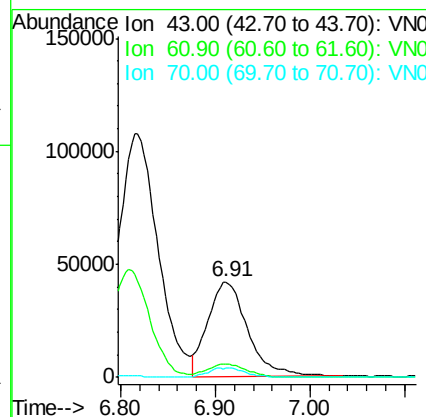
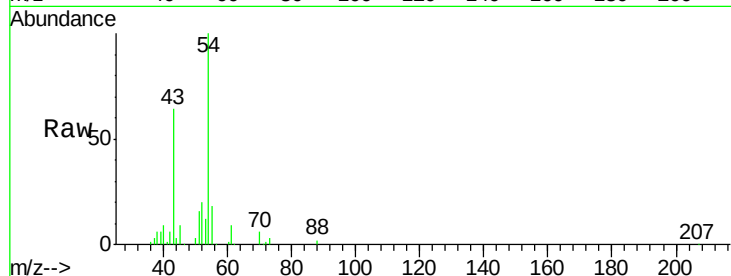
#37
Ethyl Acetate
Concen: 21.386 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.7	16.1
70	4.1	7.6	11.4

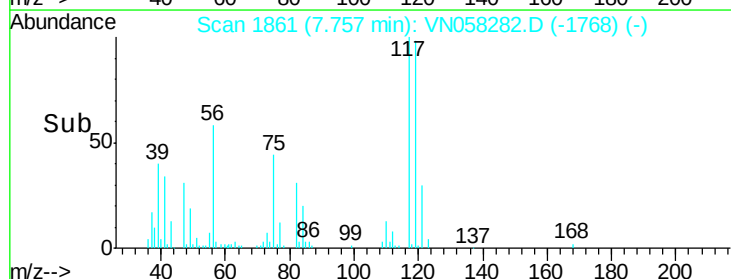
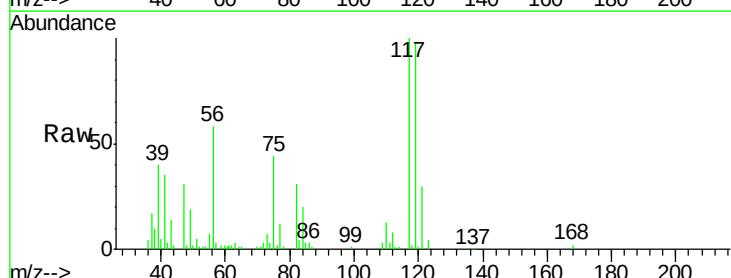
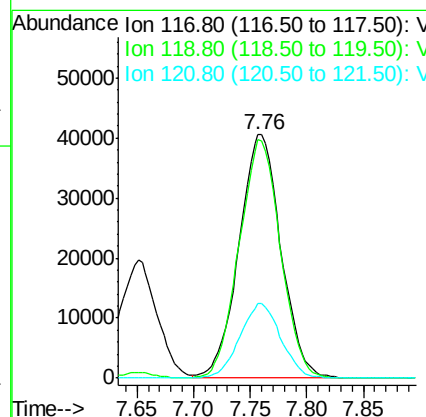
Manual Integrations
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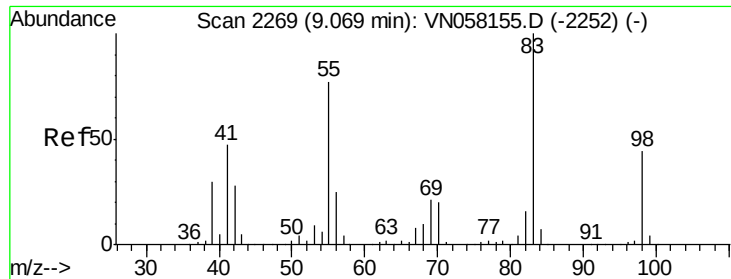
MMDadoda
9/25/2019 12:47:33 AM



#38
Carbon Tetrachloride
Concen: 19.019 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.6	117.8
121	30.5	24.1	36.1





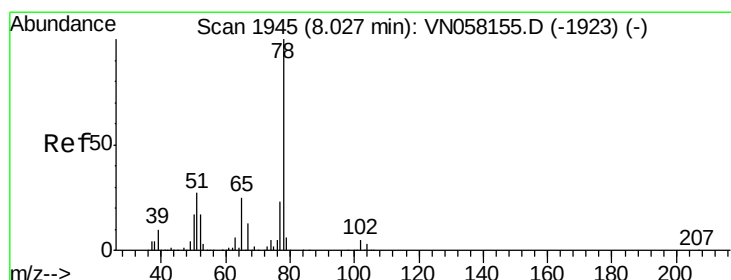
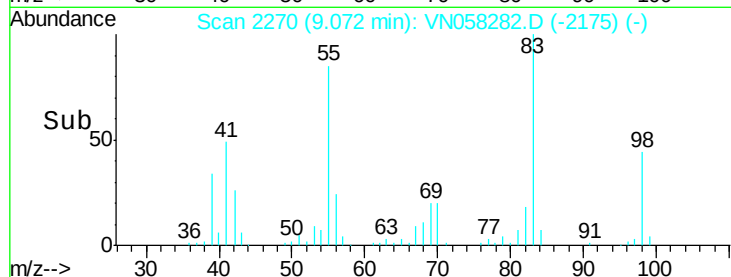
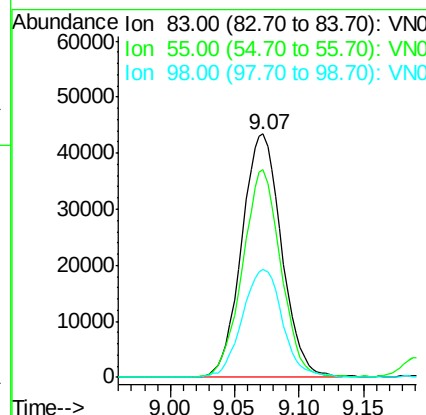
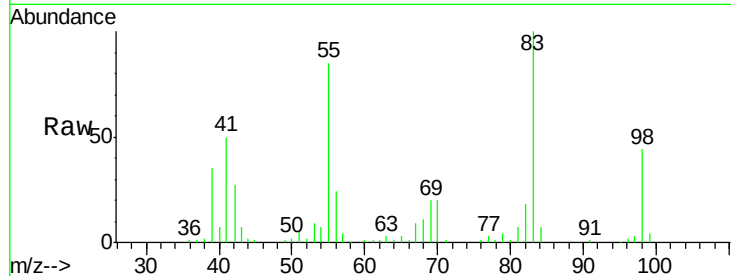
#39
Methylvlcyclohexane
Concen: 17.729 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion	83	Resp	93719
Ion Ratio	100	Lower	Upper
83	100		
55	85.3	61.9	92.9
98	44.4	35.4	53.2

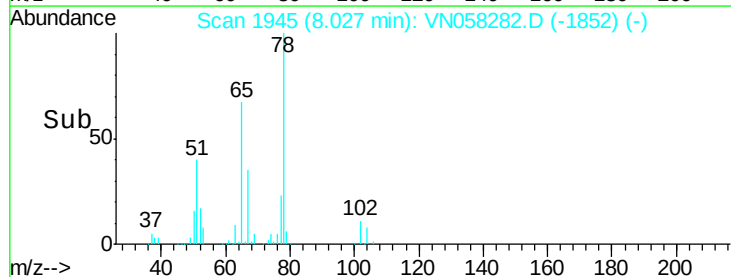
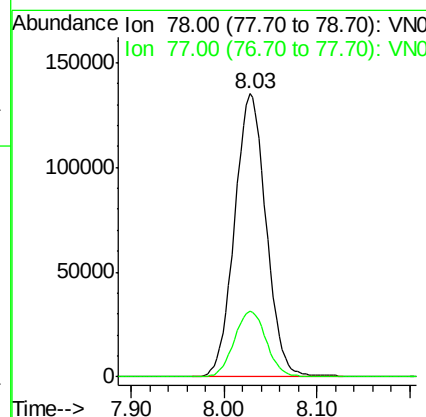
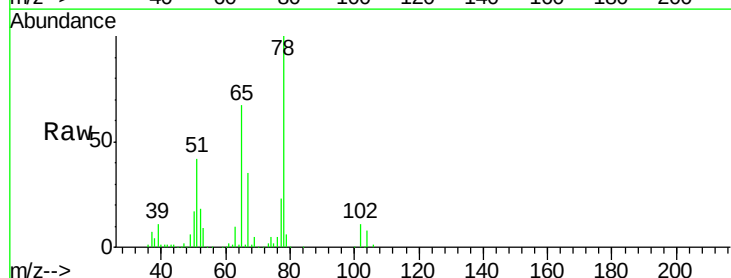
Manual Integrations
APPROVED

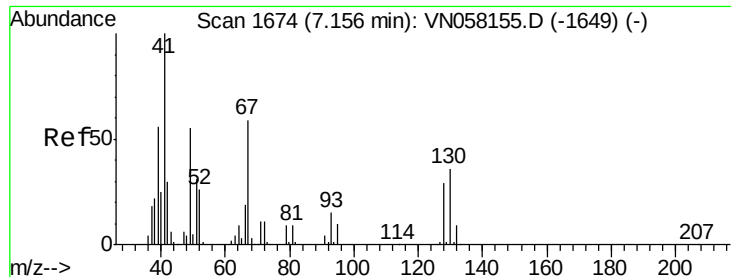
MMDadoda
9/25/2019 12:47:33 AM



#40
Benzene
Concen: 19.051 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	78	Resp	318969
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.8	28.2





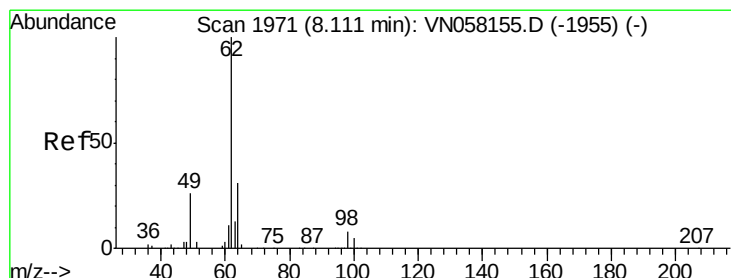
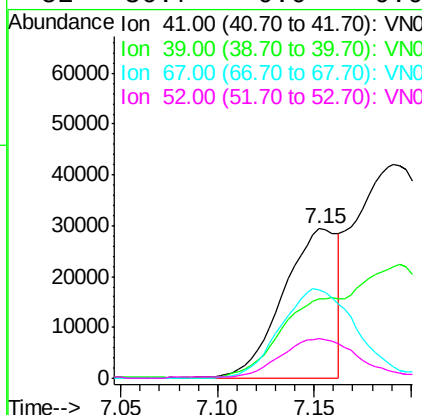
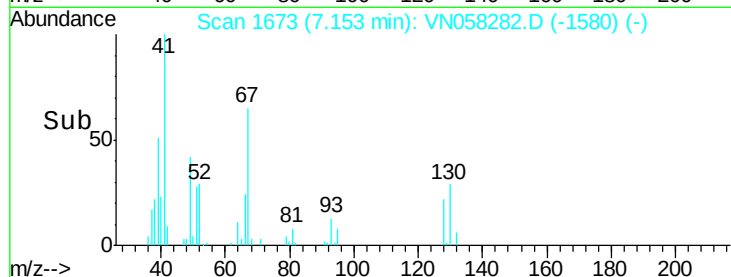
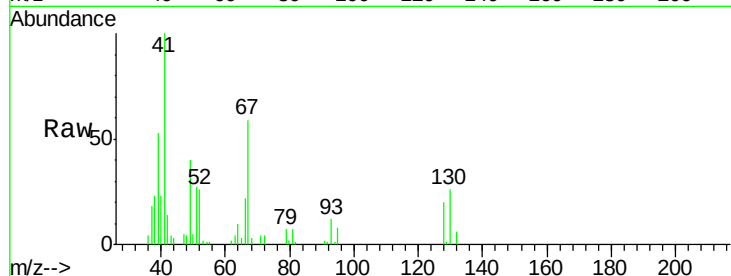
#41
Methacrylonitrile
Concen: 20.699 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	85.0	0.0	0.0#
52	36.7	0.0	0.0#

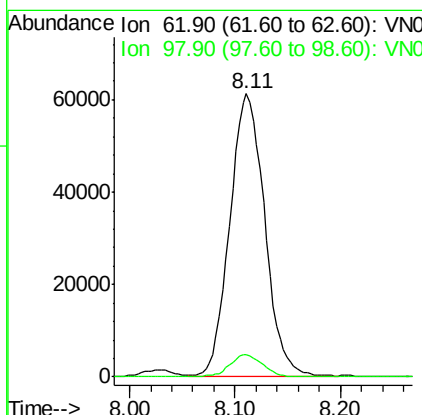
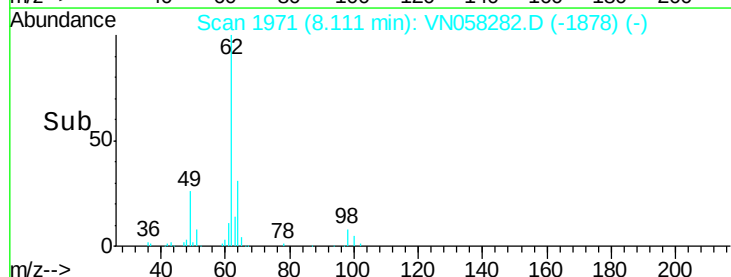
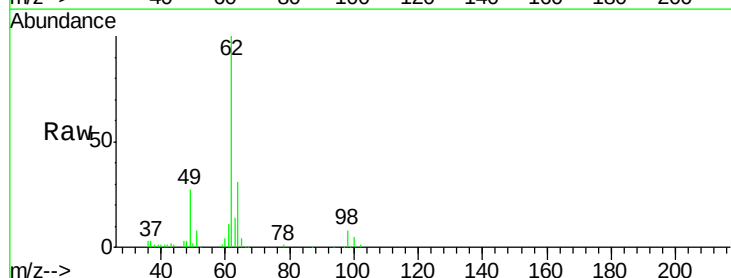
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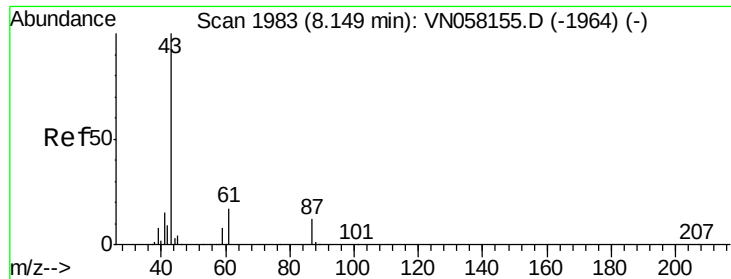
MMDadoda
9/25/2019 12:47:33 AM



#42
1,2-Dichloroethane
Concen: 19.954 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	15.6





#43

Isopropyl Acetate

Concen: 19.079 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

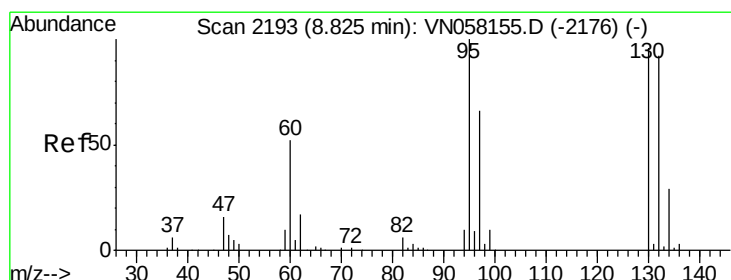
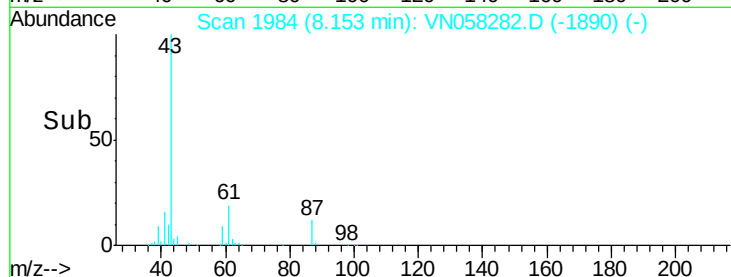
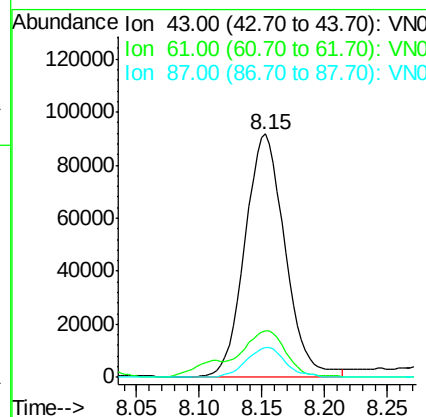
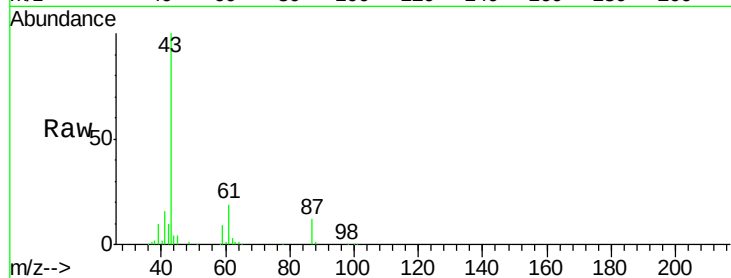
ClientSampleId :

VN0923WBS01

Tot Ion:	43	Resp:	202697
Ion Ratio	Lower	Upper	
43	100		
61	19.6	19.7	29.5#
87	12.2	9.4	14.2

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#44

Trichloroethene

Concen: 18.947 ug/l

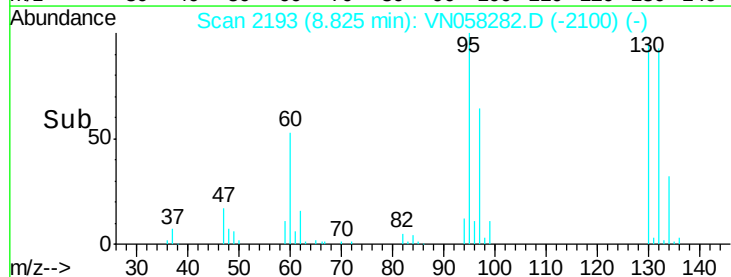
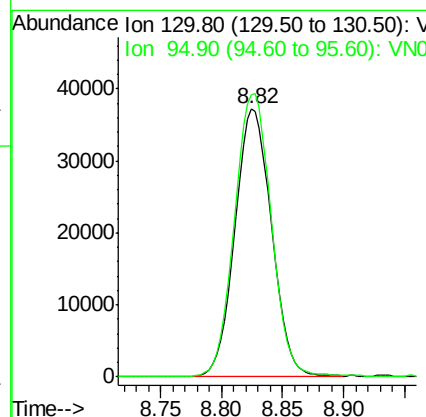
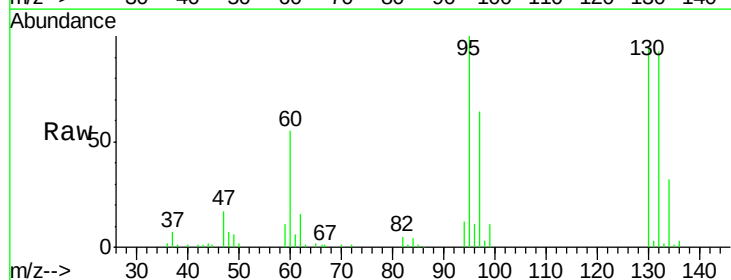
RT: 8.82 min Scan# 2193

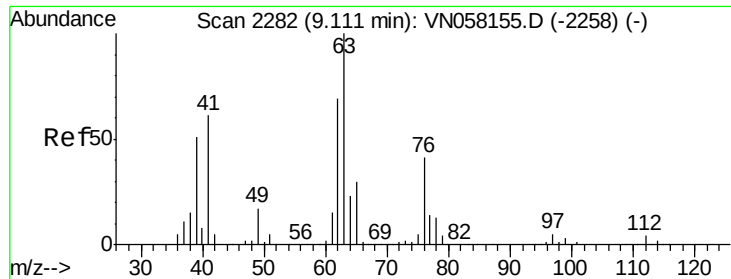
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	130	Resp:	77630
Ion Ratio	Lower	Upper	
130	100		
95	105.3	0.0	207.8





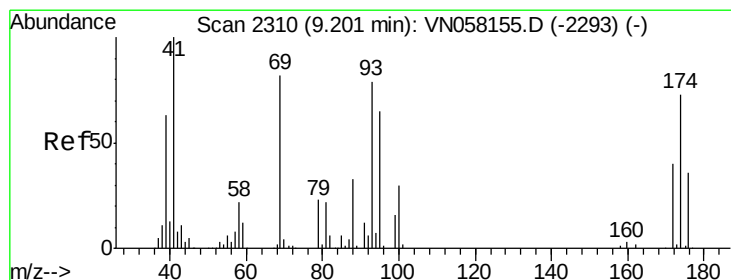
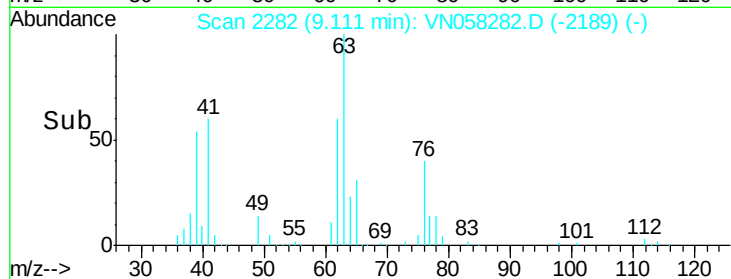
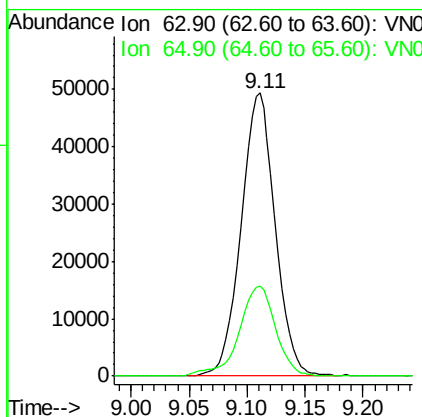
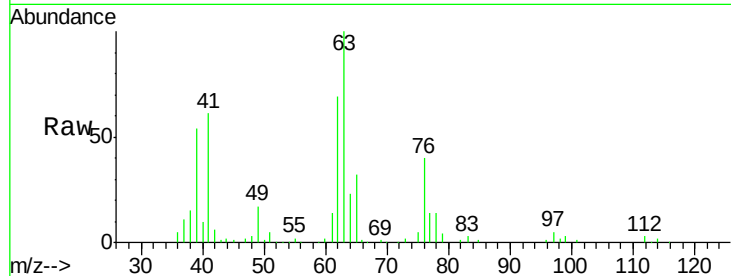
#45
 1,2-Dichloropropane
 Concen: 20.156 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion: 63 Resp: 100779
 Ion Ratio Lower Upper
 63 100
 65 31.9 23.8 35.6

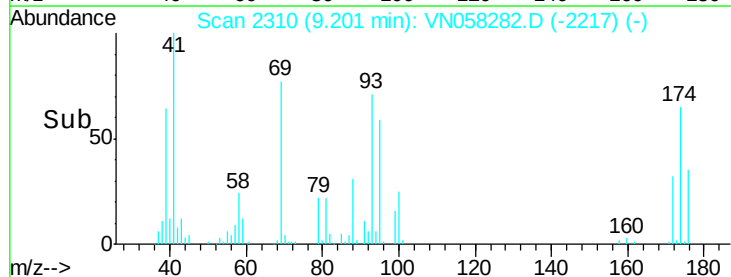
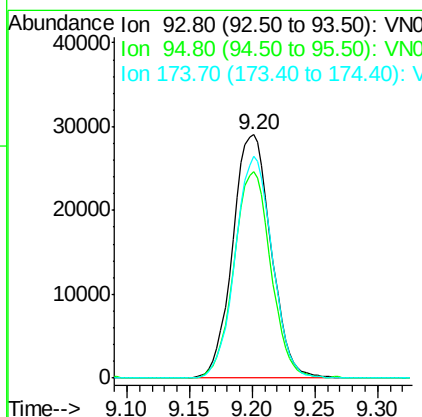
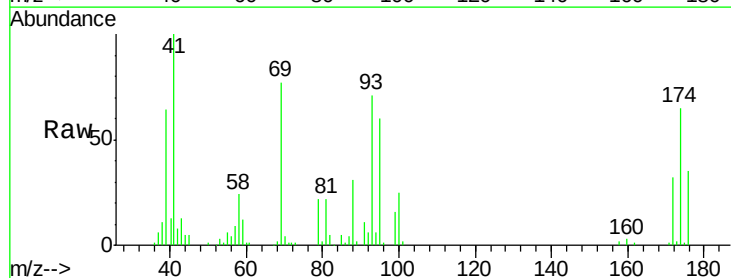
Manual Integrations
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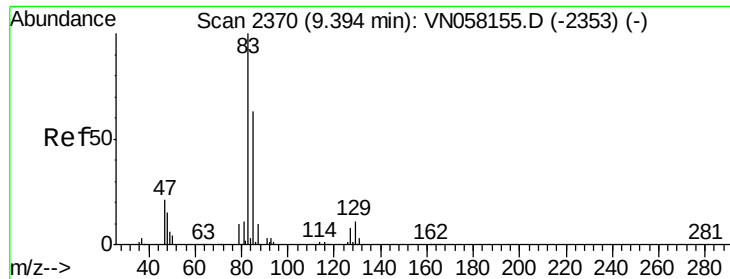
MMDadoda
 9/25/2019 12:47:33 AM



#46
 Dibromomethane
 Concen: 20.337 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 93 Resp: 61823
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.8 100.2
 174 87.8 73.8 110.8





#47

Bromodichloromethane

Concen: 20.362 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

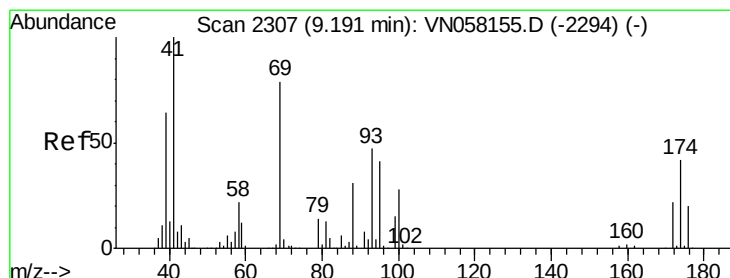
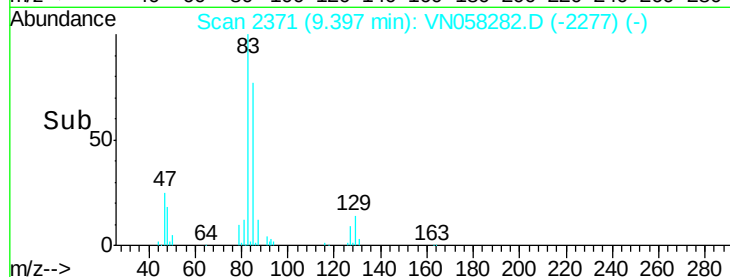
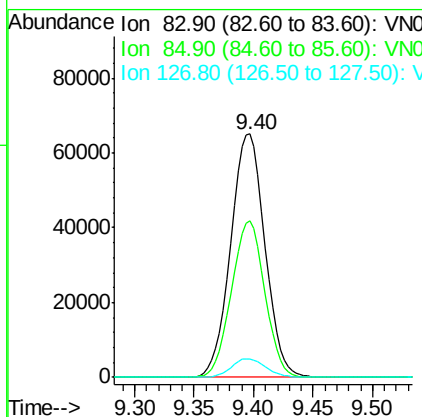
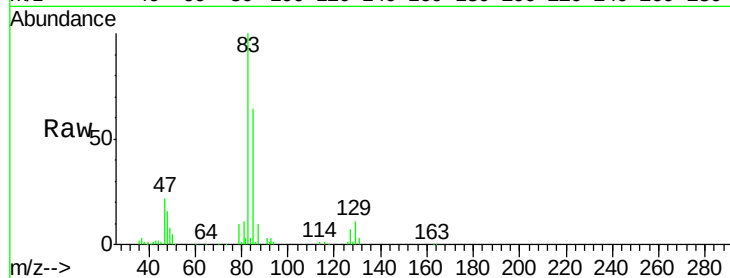
ClientSampleId :

VN0923WBS01

Tot Ion:	83	Resp:	129674
Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.1	75.1
127	7.5	6.4	9.6

Manual Integrations
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MMDadoda
9/25/2019 12:47:33 AM



#48

Methyl methacrylate

Concen: 20.422 ug/l

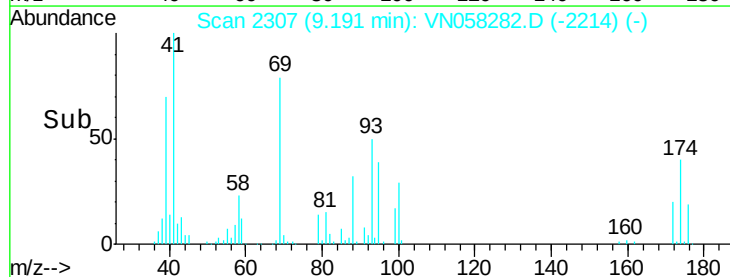
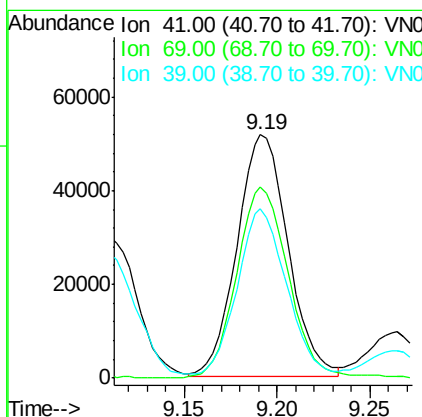
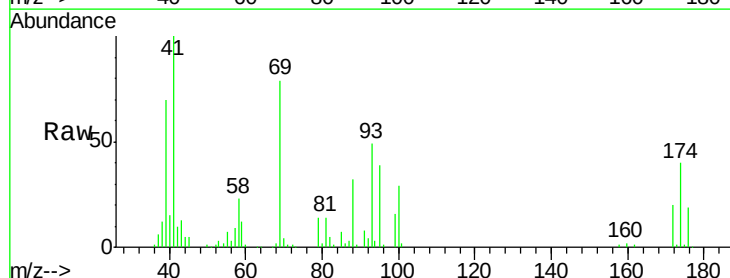
RT: 9.19 min Scan# 2307

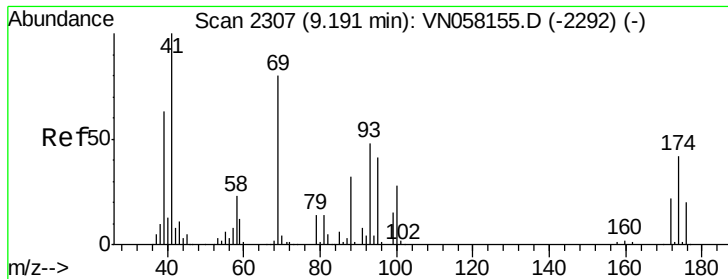
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	41	Resp:	98514
Ion	Ratio	Lower	Upper
41	100		
69	80.4	62.5	93.7
39	67.7	52.3	78.5





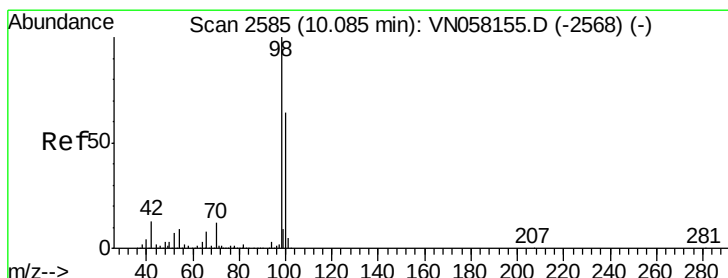
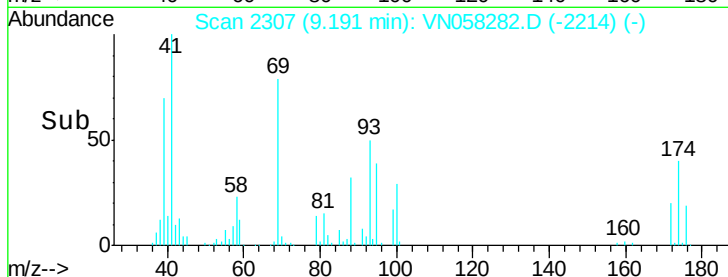
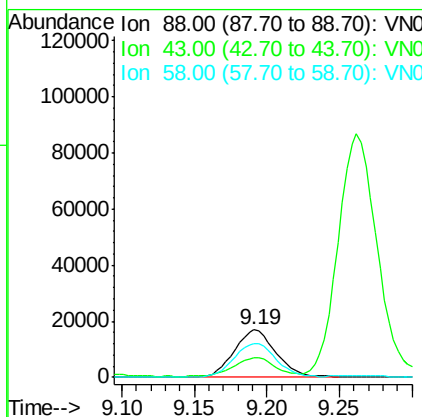
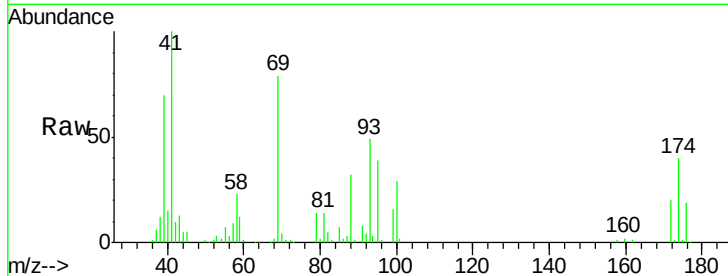
#49
1,4-Dioxane
Concen: 431.195 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.4	27.8	41.8
58	72.8	55.0	82.4

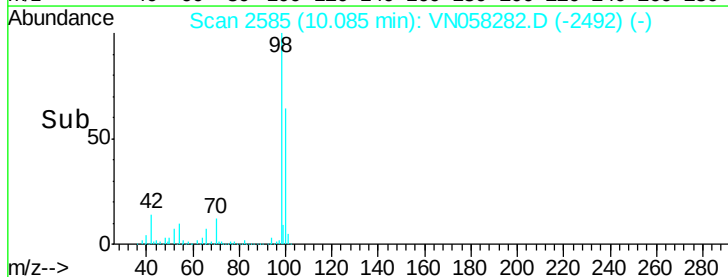
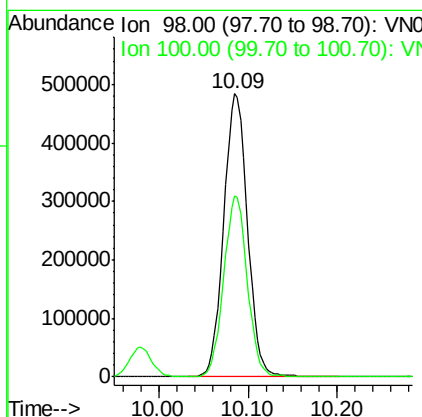
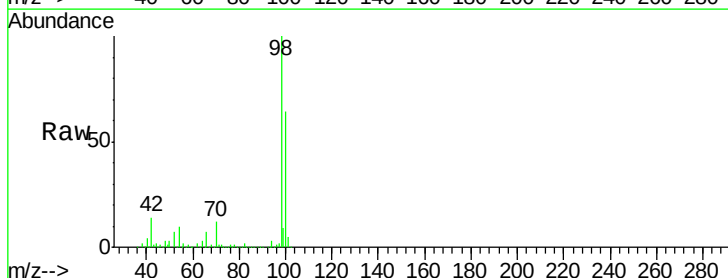
Manual Integrations
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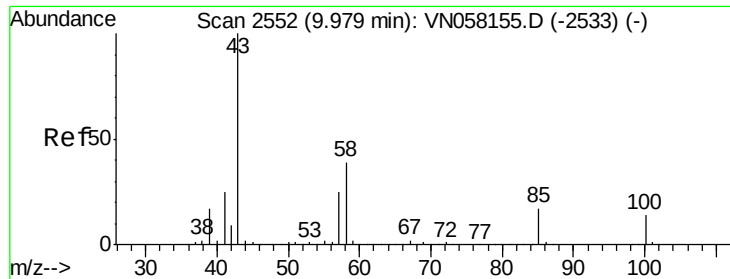
MMDadoda
9/25/2019 12:47:33 AM



#50
Toluene-d8
Concen: 49.690 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 118.833 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 43 Resp: 670589

Ion Ratio Lower Upper

43 100

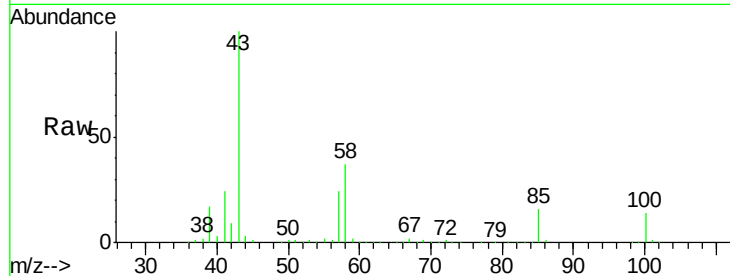
58 36.8 30.2 45.4

Manual Integrations

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MMDadoda

9/25/2019 12:47:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

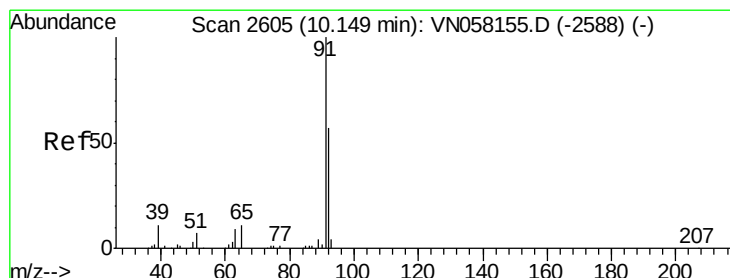
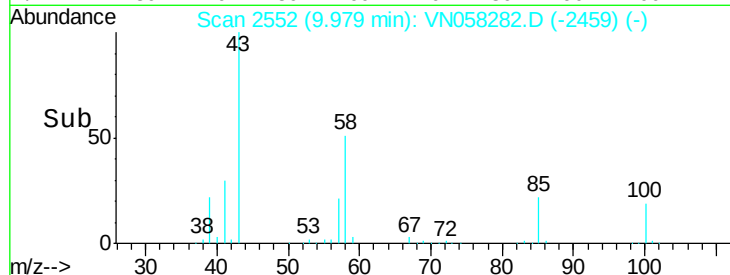
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 18.939 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058282.D

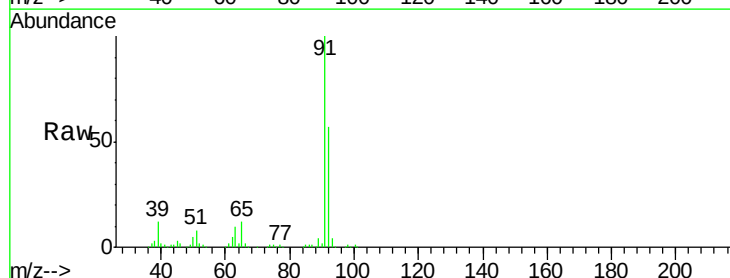
Acq: 23 Sep 2019 11:28

Tgt Ion: 92 Resp: 198725

Ion Ratio Lower Upper

92 100

91 175.3 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

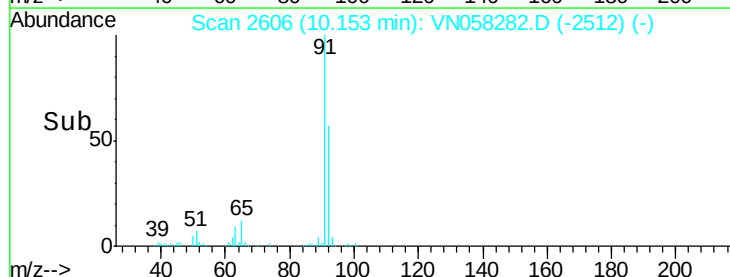
150000

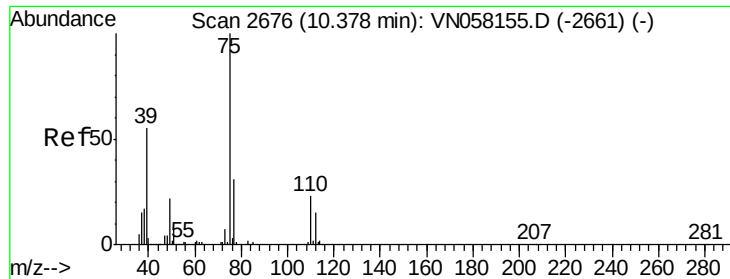
100000

50000

0

Time-->





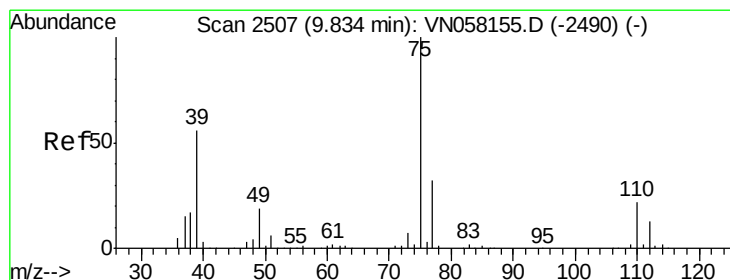
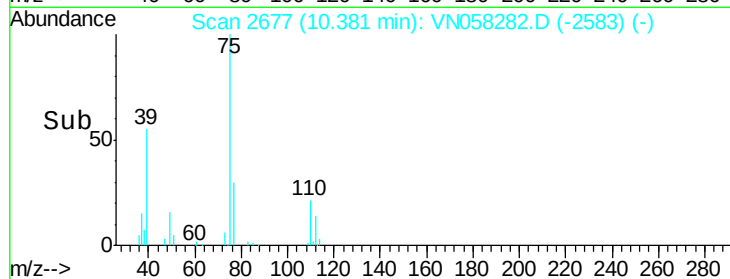
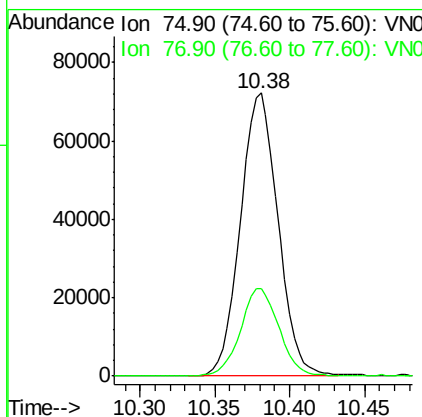
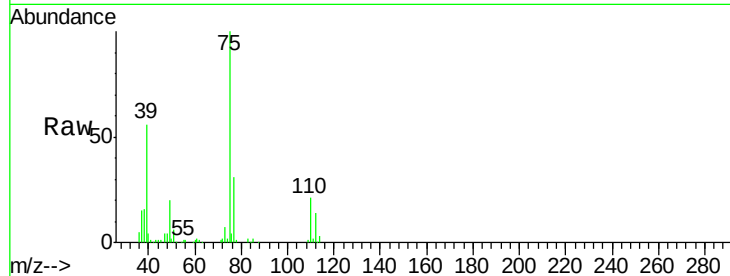
#53
 t-1,3-Dichloropropene
 Concen: 19.396 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.9	37.3

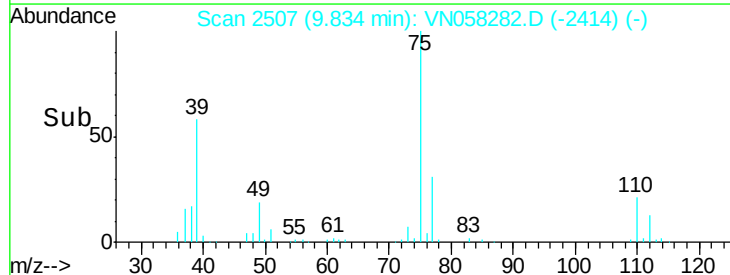
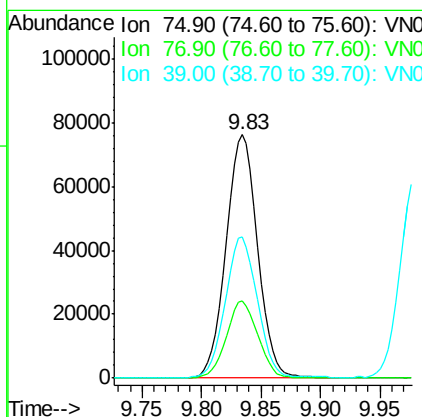
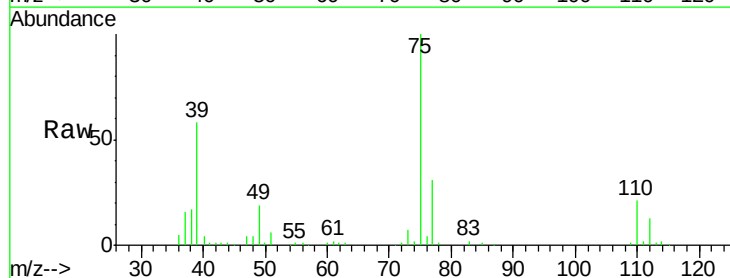
Manual Integrations
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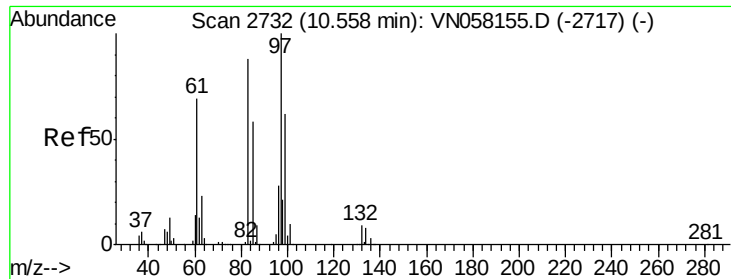
MMDadoda
 9/25/2019 12:47:33 AM



#54
 cis-1,3-Dichloropropene
 Concen: 19.440 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	57.7	45.0	67.6





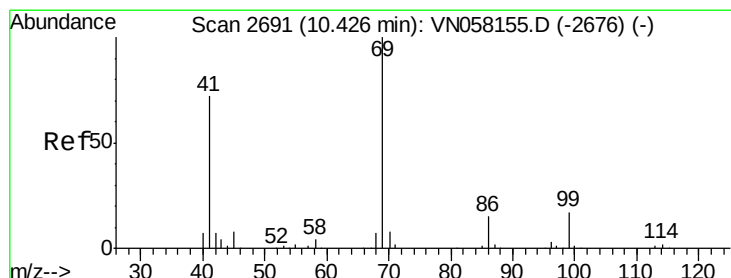
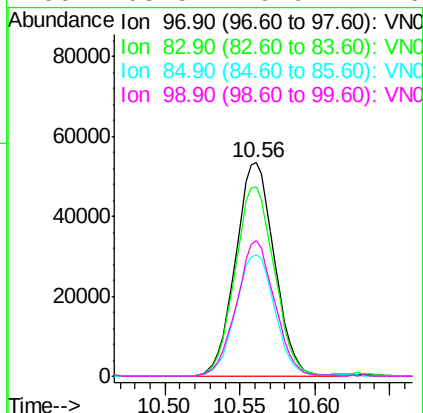
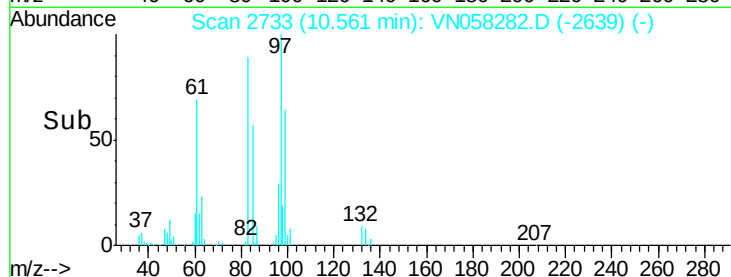
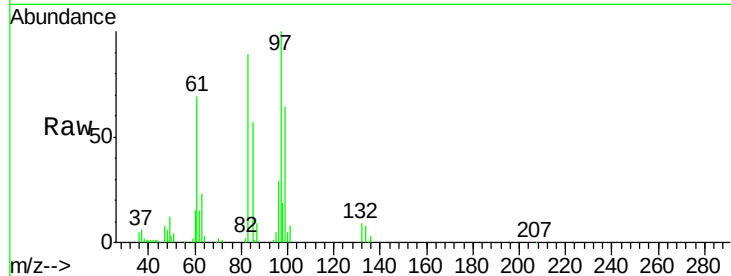
#55
1,1,2-Trichloroethane
Concen: 20.857 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion:	97	Resp:	97121
Ion	Ratio	Lower	Upper
97	100		
83	88.6	70.4	105.6
85	56.6	46.8	70.2
99	63.5	49.9	74.9

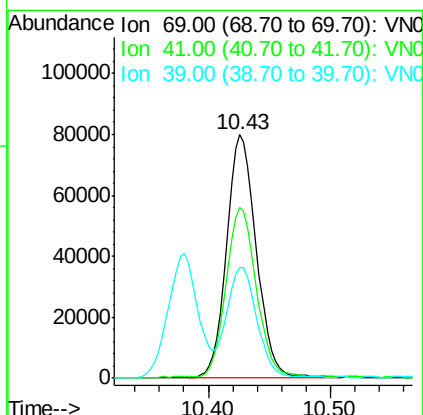
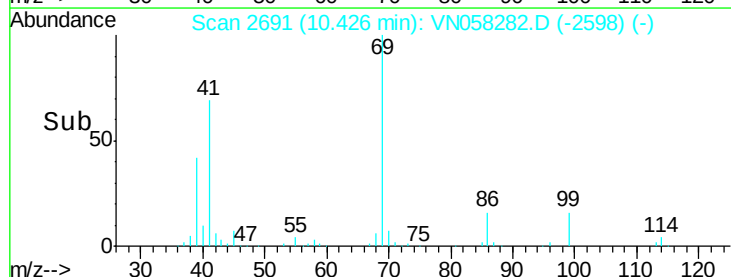
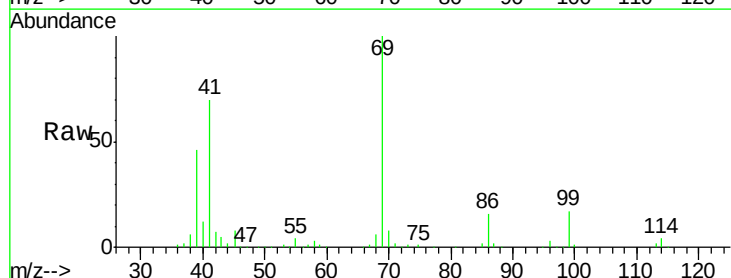
Manual Integrations
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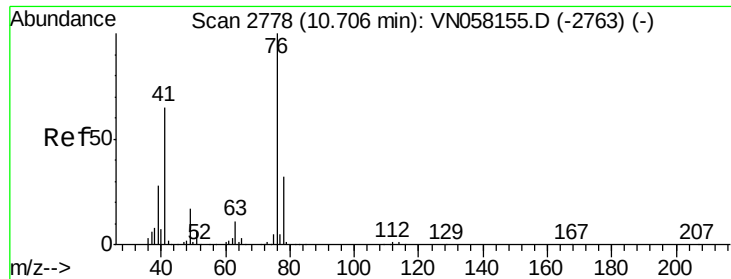
MMDadoda
9/25/2019 12:47:33 AM



#56
Ethyl methacrylate
Concen: 20.348 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:	69	Resp:	136705
Ion	Ratio	Lower	Upper
69	100		
41	70.5	57.5	86.3
39	45.4	36.1	54.1





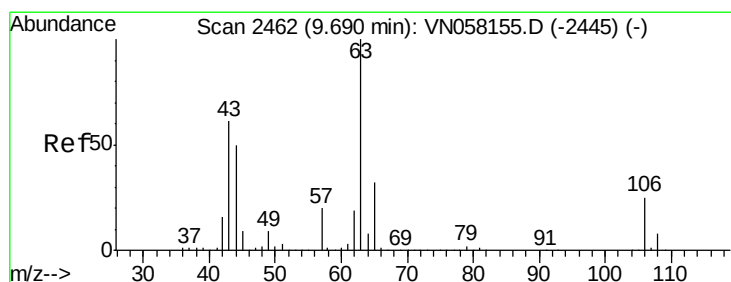
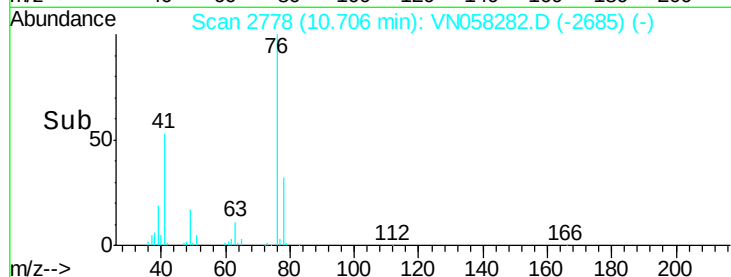
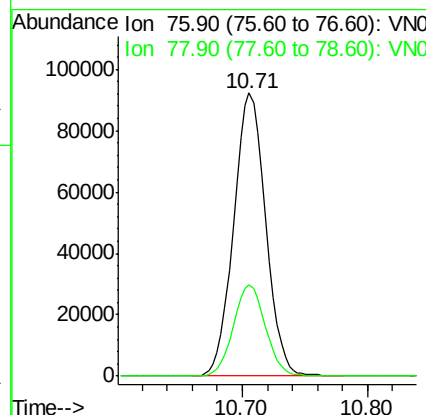
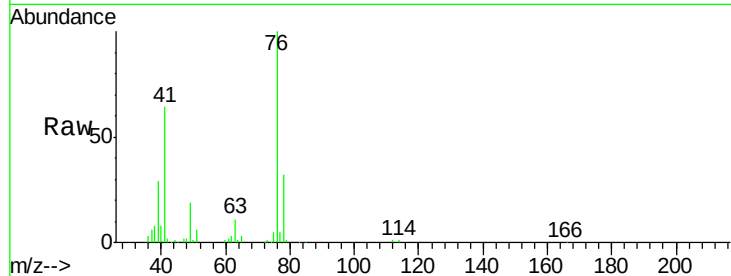
#57
 1,3-Dichloropropane
 Concen: 20.438 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampled :
 VN0923WBS01

Tot Ion: 76 Resp: 163607
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.4 38.0

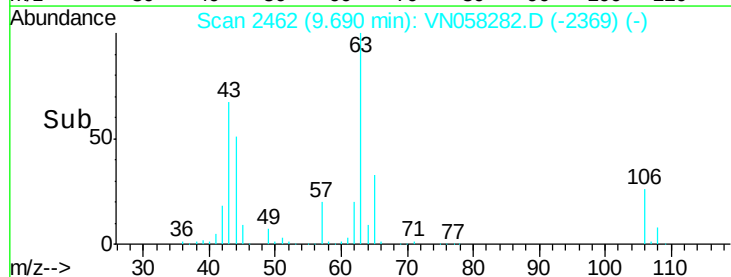
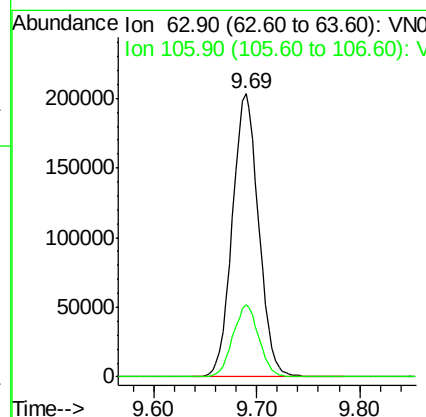
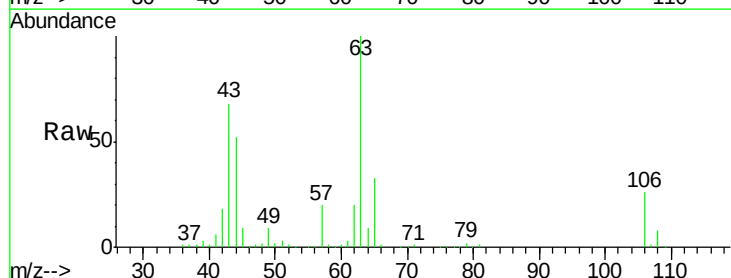
Manual Integrations
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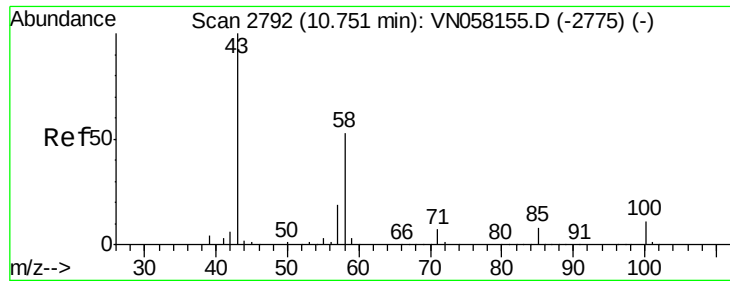
MMDadoda
 9/25/2019 12:47:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 113.019 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion: 63 Resp: 361680
 Ion Ratio Lower Upper
 63 100
 106 25.2 19.9 29.9





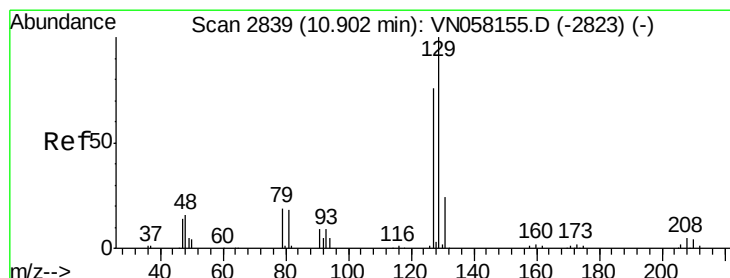
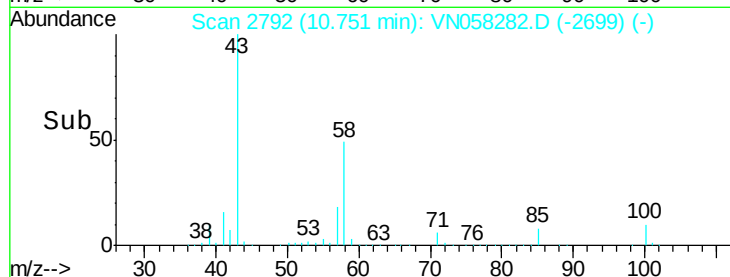
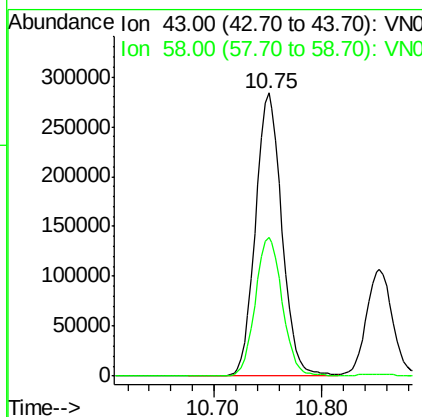
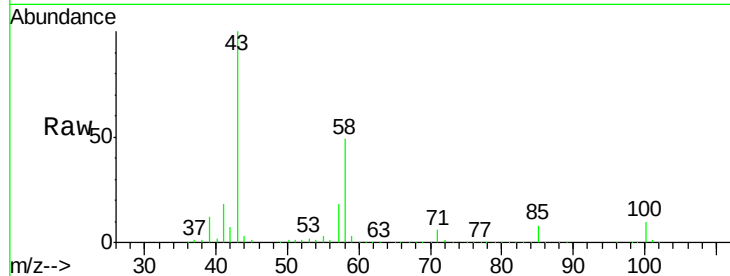
#59
2-Hexanone
Concen: 114.595 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion: 43 Resp: 480279
Ion Ratio Lower Upper
43 100
58 50.3 26.0 78.0

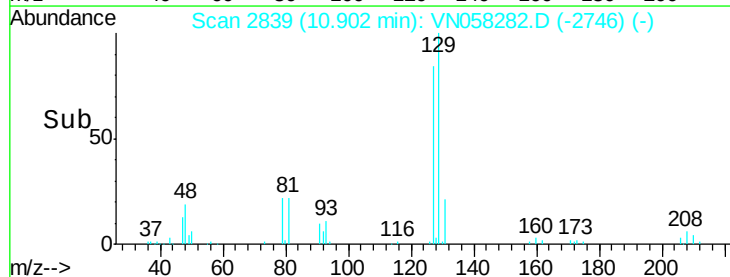
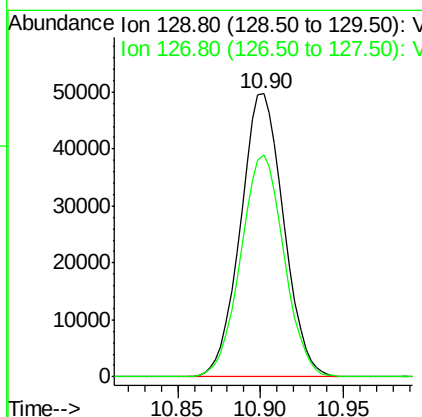
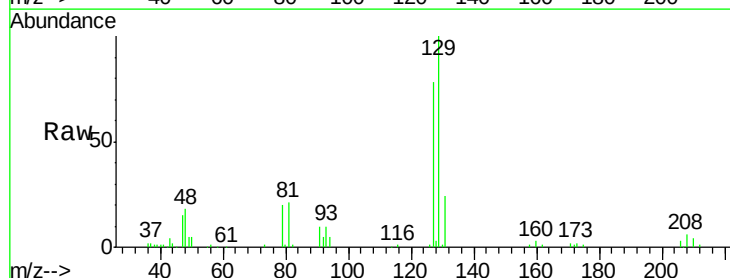
Manual Integrations
APPROVED

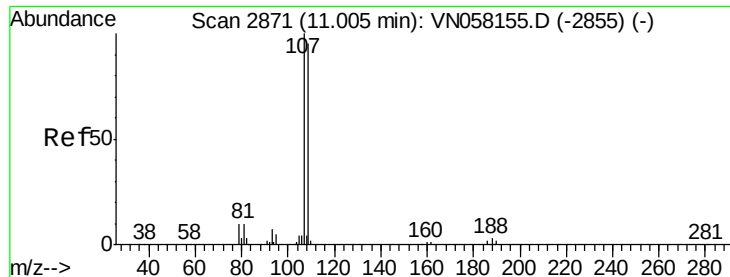
MMDadoda
9/25/2019 12:47:33 AM



#60
Dibromochloromethane
Concen: 20.144 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 129 Resp: 90241
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1





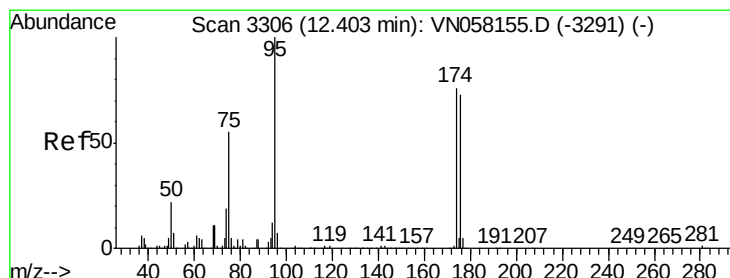
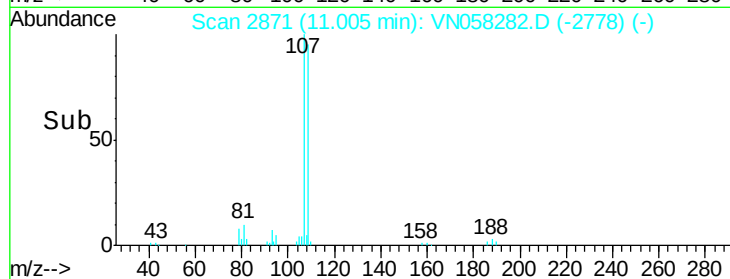
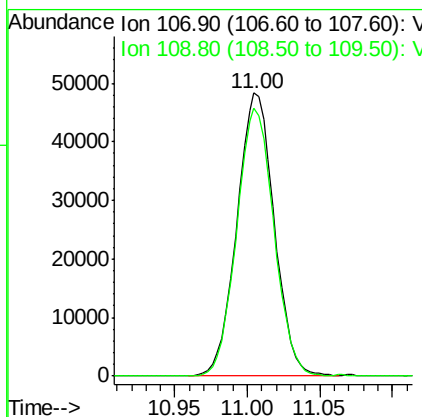
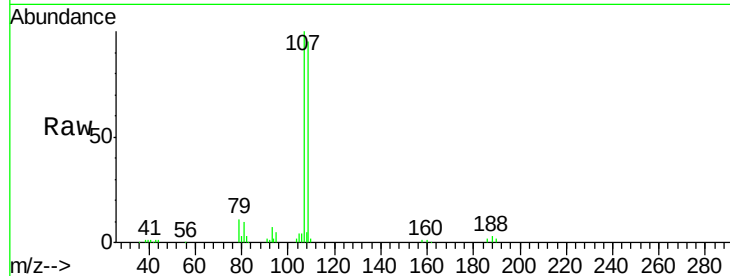
#61
 1,2-Dibromoethane
 Concen: 20.024 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.4	113.2

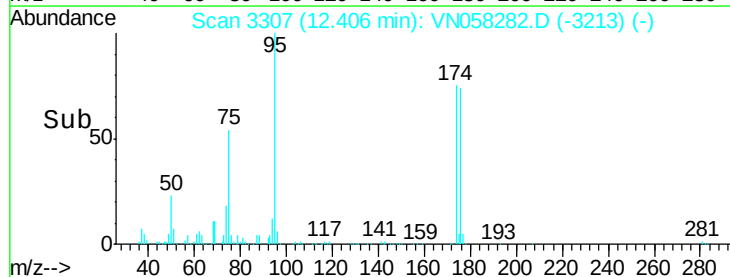
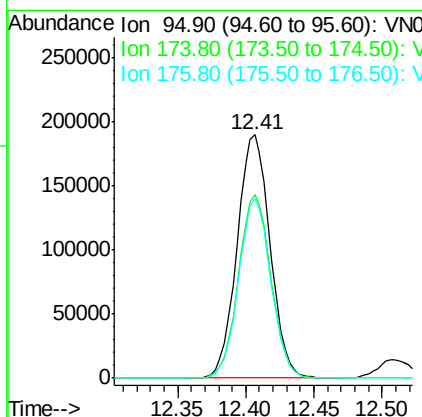
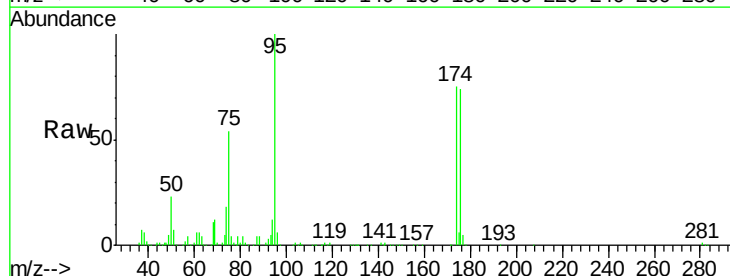
Manual Integrations
 APPROVED

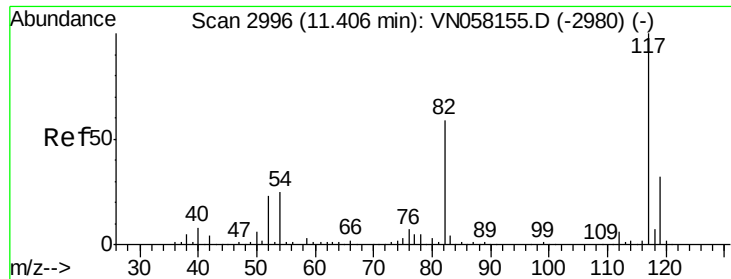
MMDadoda
 9/25/2019 12:47:33 AM



#62
 4-Bromofluorobenzene
 Concen: 47.634 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	152.2
176	72.3	0.0	148.0





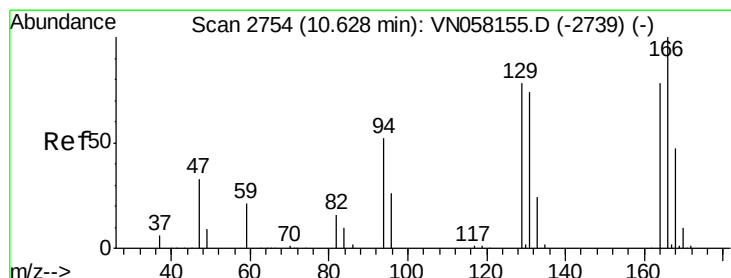
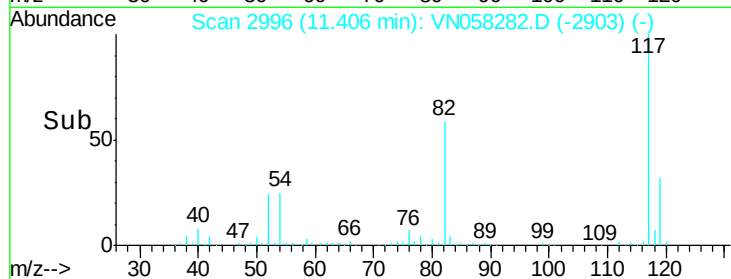
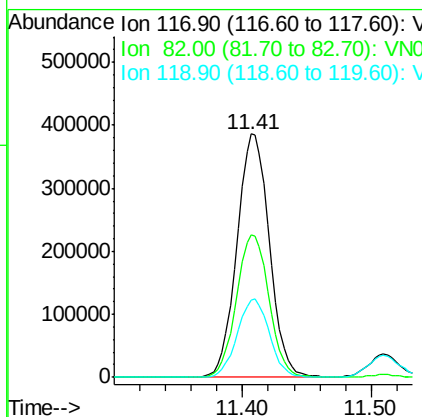
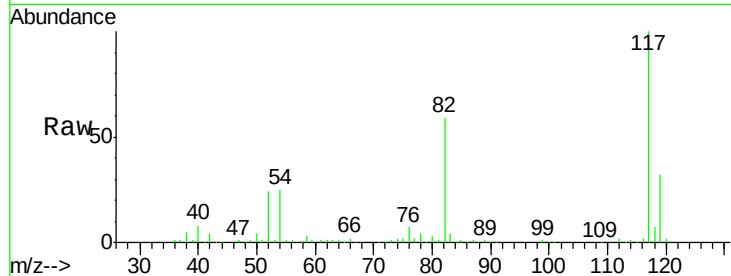
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.7	46.9	70.3
119	31.7	25.3	37.9

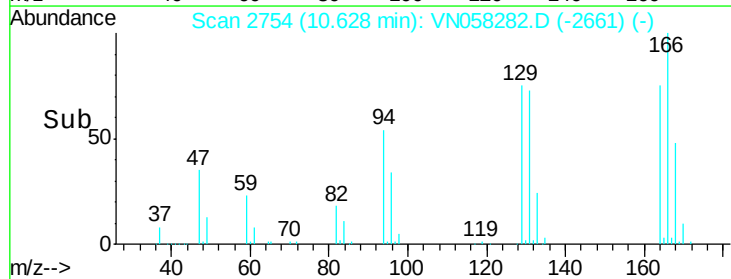
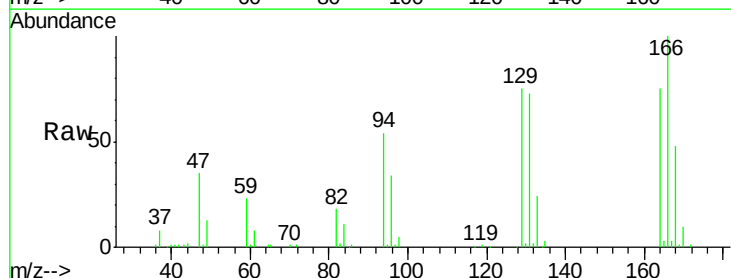
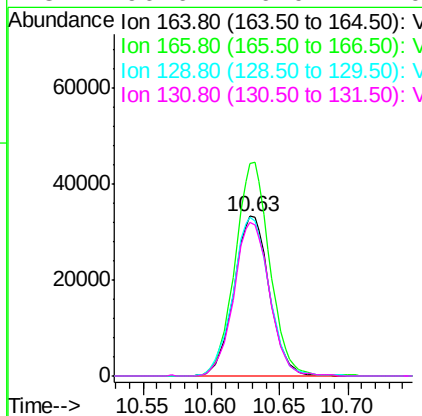
Manual Integrations
APPROVED

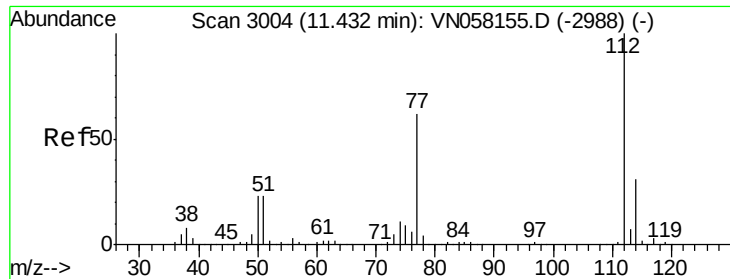
MMDadoda
9/25/2019 12:47:33 AM



#64
Tetrachloroethene
Concen: 18.236 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	102.2	153.4
129	99.3	79.6	119.4
131	96.6	76.0	114.0





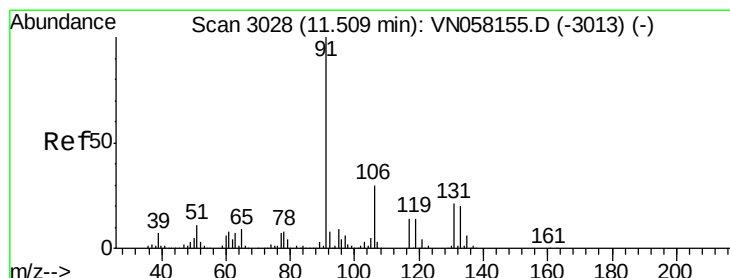
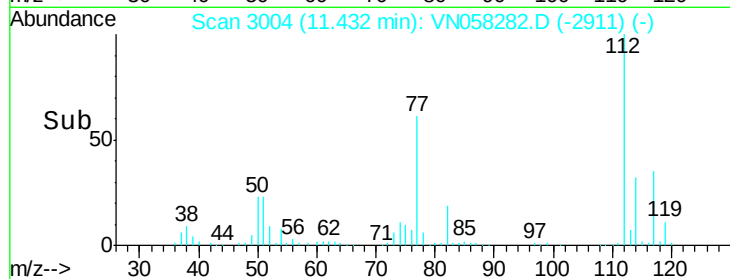
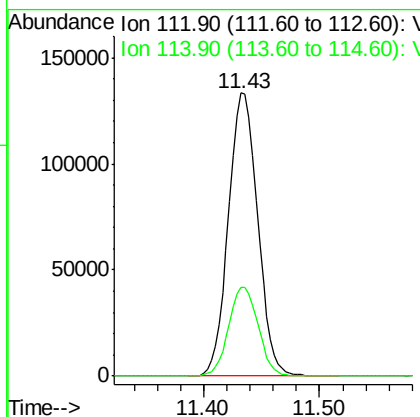
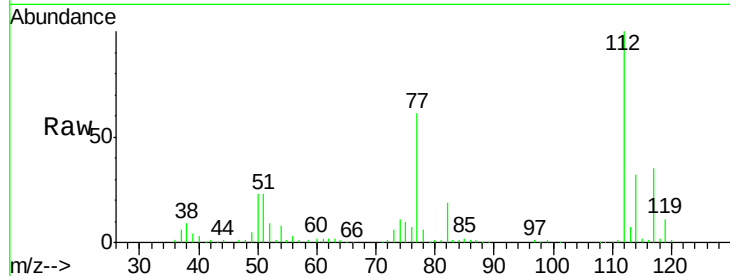
#65
Chlorobenzene
Concen: 19.701 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion:112 Resp: 234155
Ion Ratio Lower Upper
112 100
114 31.5 25.1 37.7

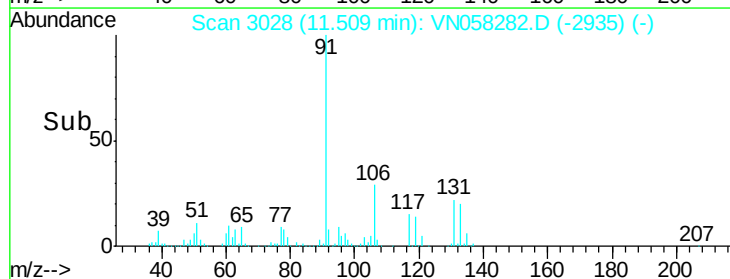
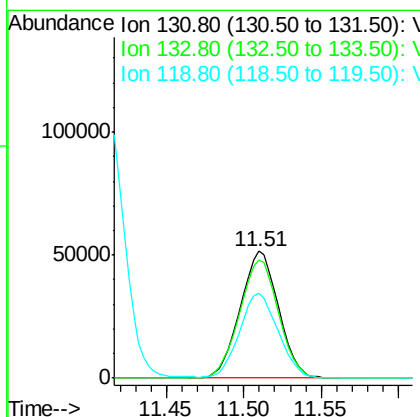
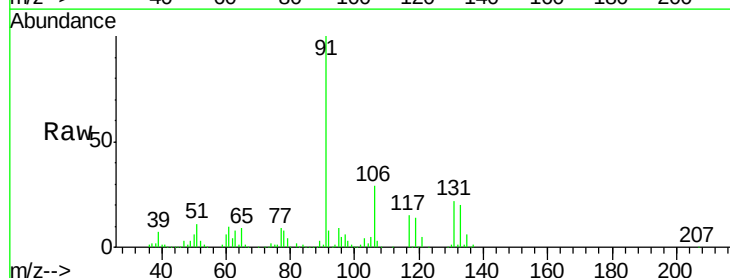
Manual Integrations
APPROVED

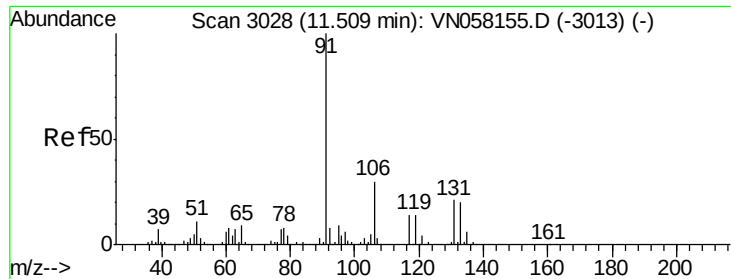
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.687 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:131 Resp: 89155
Ion Ratio Lower Upper
131 100
133 94.5 47.8 143.3
119 67.0 33.1 99.3





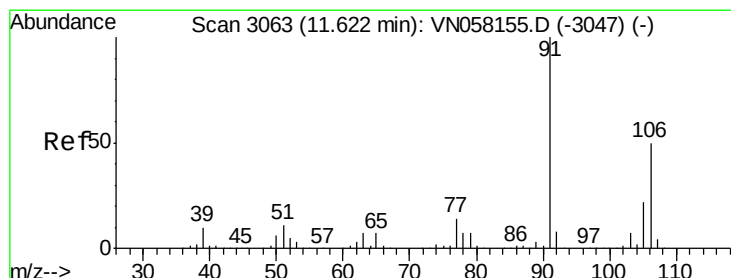
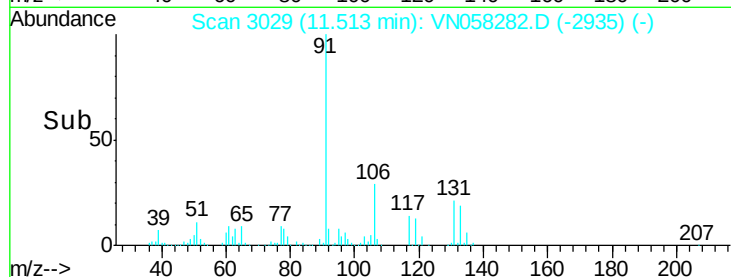
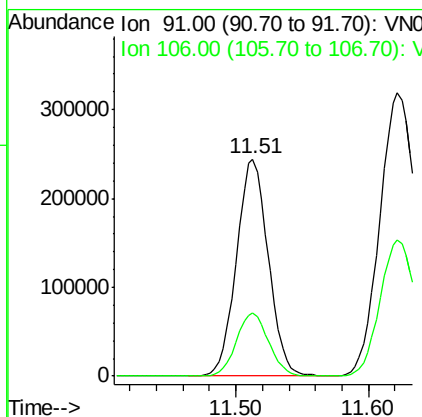
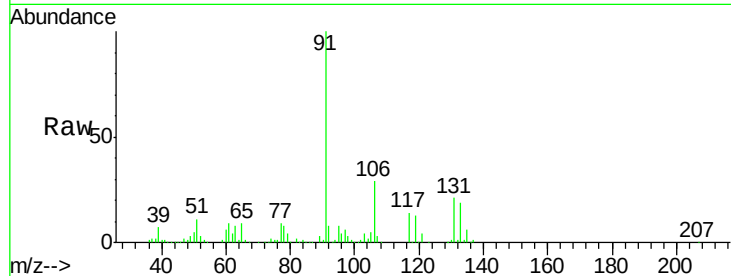
#67
Ethyl Benzene
Concen: 20.009 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion: 91 Resp: 407490
Ion Ratio Lower Upper
91 100
106 28.9 24.0 36.0

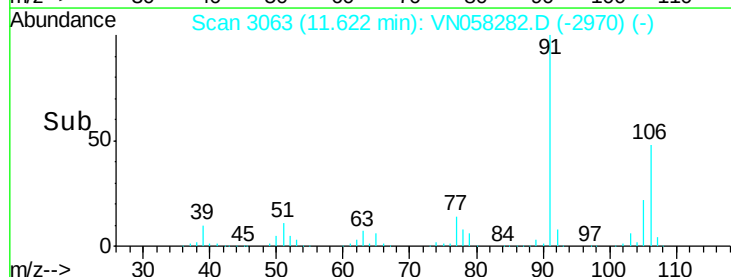
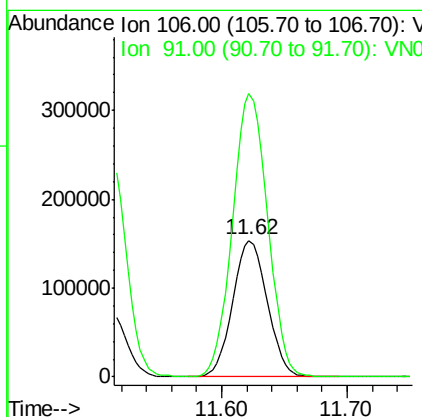
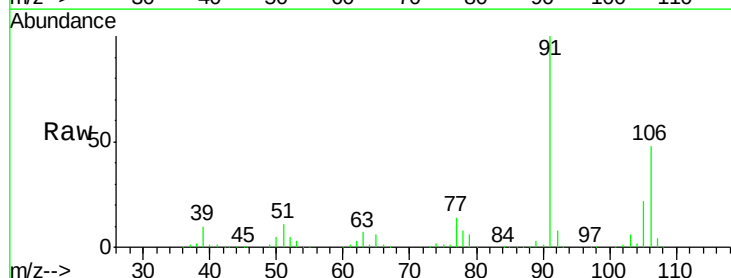
Manual Integrations
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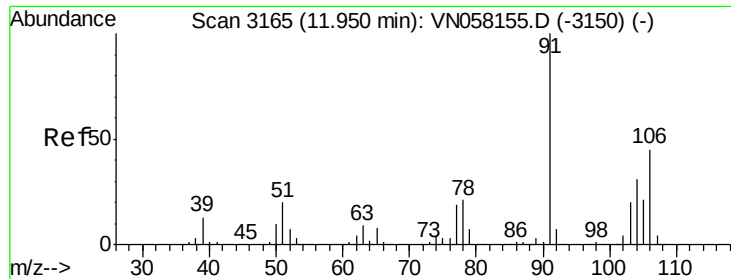
MMDadoda
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#68
m/p-Xylenes
Concen: 38.245 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion: 106 Resp: 293347
Ion Ratio Lower Upper
106 100
91 211.5 163.6 245.4





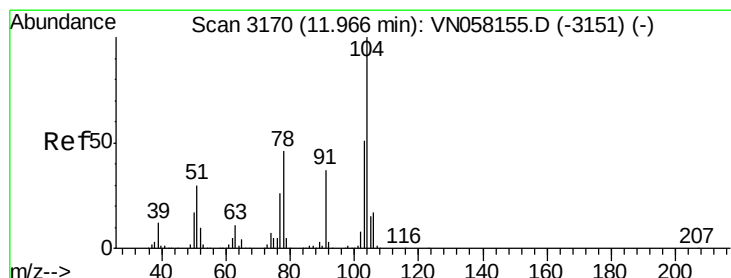
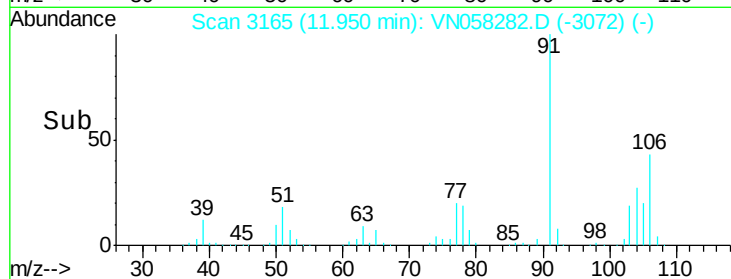
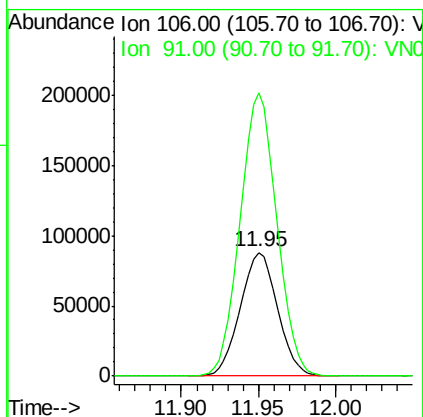
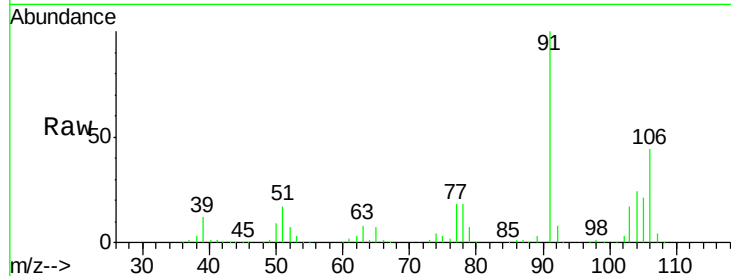
#69
o-Xylene
Concen: 19.583 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion:106 Resp: 147696
Ion Ratio Lower Upper
106 100
91 226.1 111.8 335.3

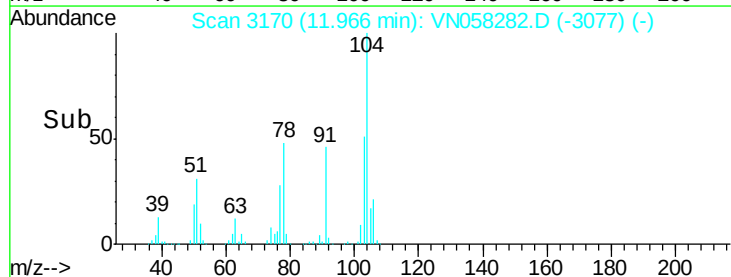
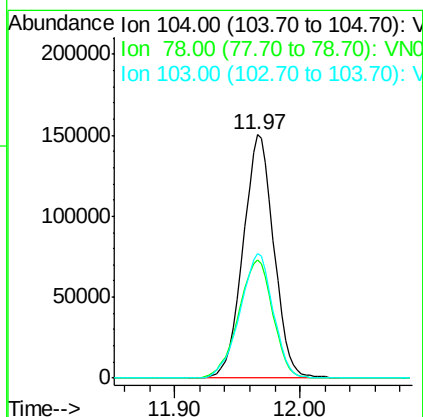
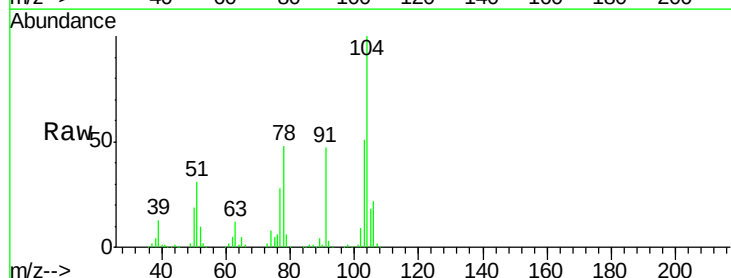
Manual Integrations
APPROVED

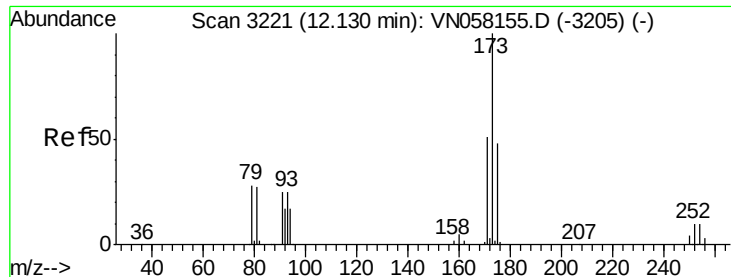
MMDadoda
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#70
Styrene
Concen: 19.739 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion:104 Resp: 256501
Ion Ratio Lower Upper
104 100
78 54.3 41.8 62.8
103 55.2 44.2 66.2





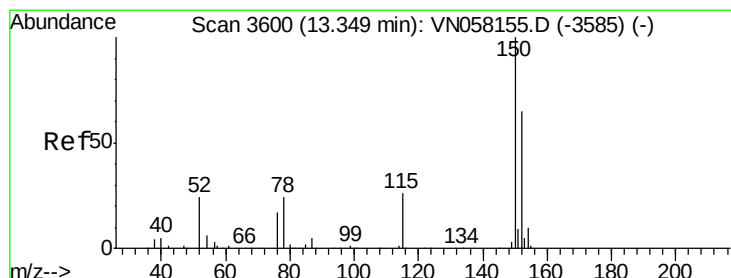
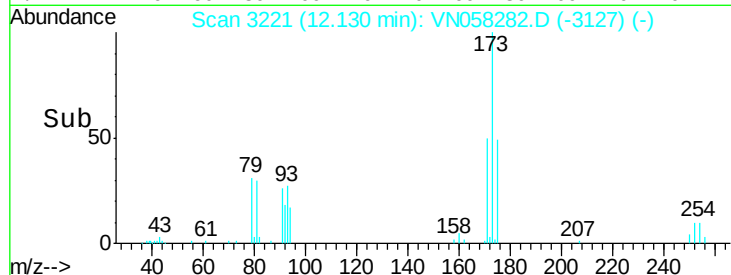
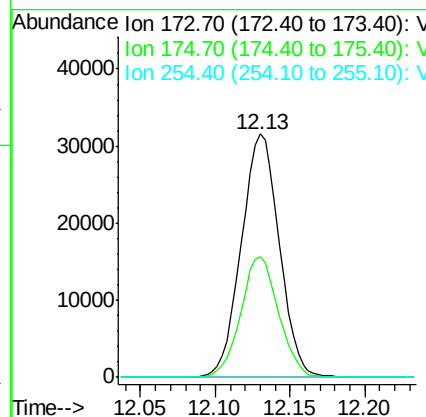
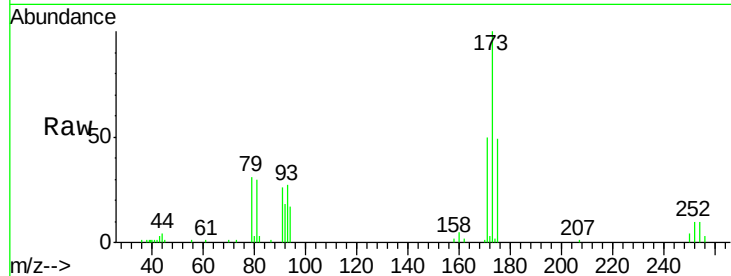
#71
Bromoform
Concen: 19.810 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.2	72.6
254	0.0	0.1	0.1#

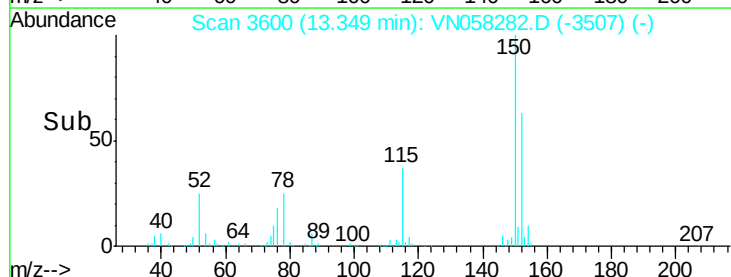
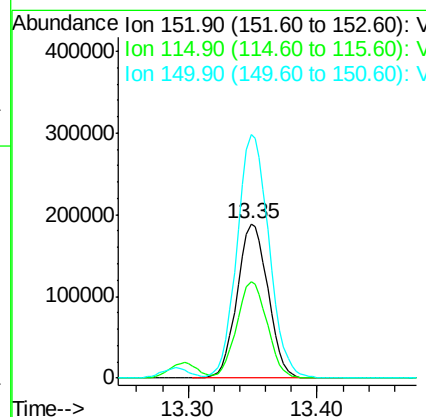
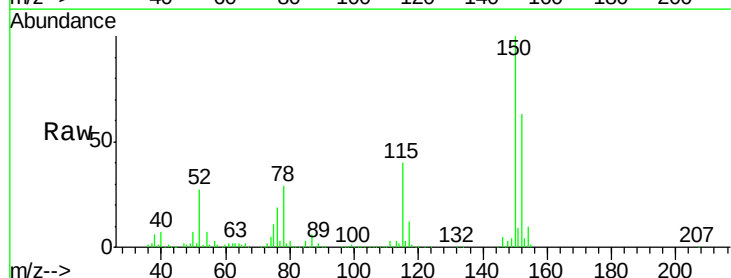
Manual Integrations
APPROVED

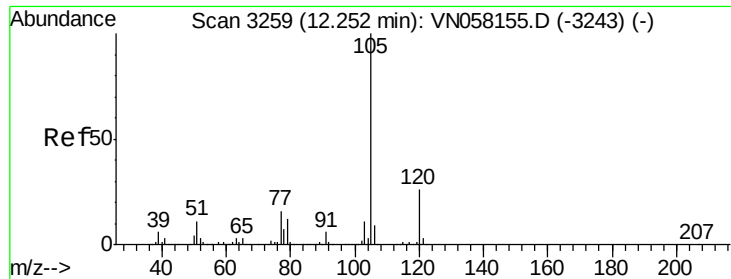
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.1	90.3
150	163.8	0.0	346.4





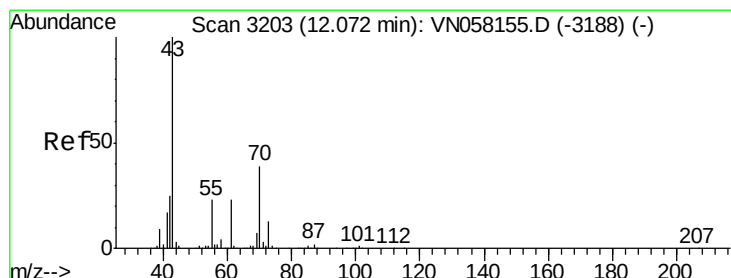
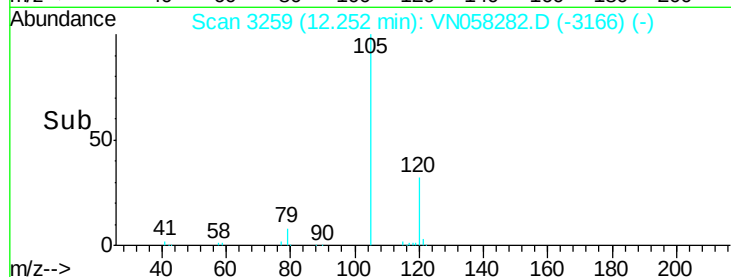
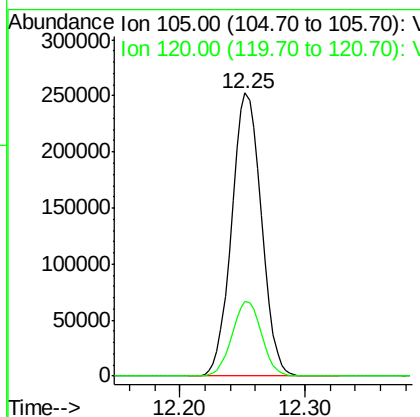
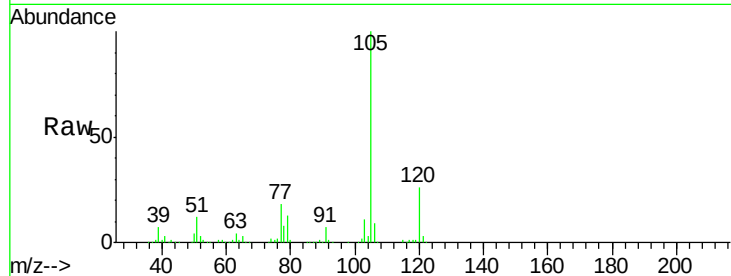
#73
Isopropylbenzene
Concen: 21.211 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampled :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.8	38.3

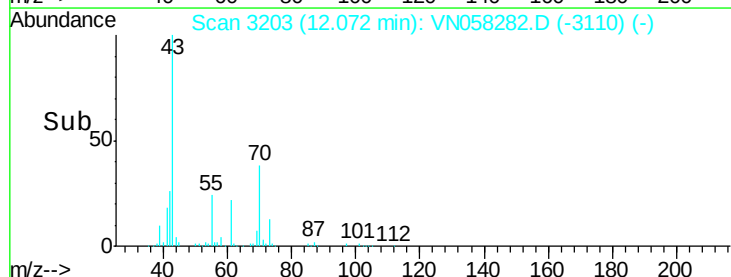
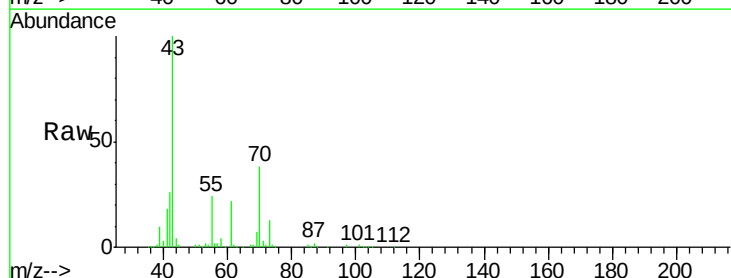
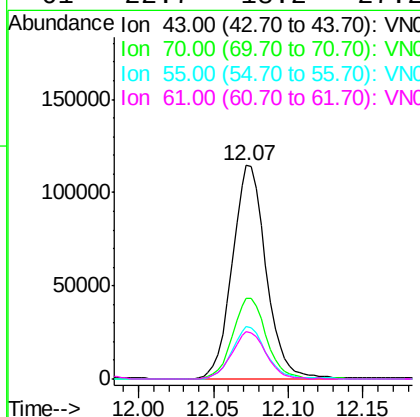
Manual Integrations
APPROVED

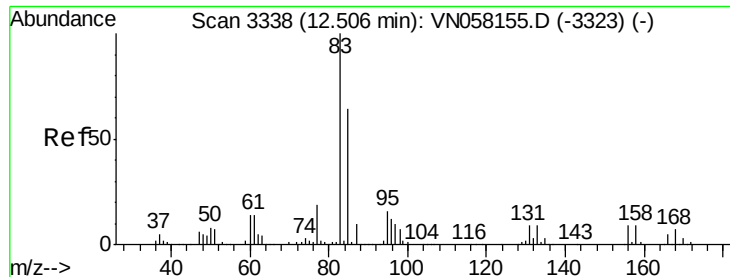
MMDadoda
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#74
N-ethyl acetate
Concen: 21.841 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	31.0	46.6
55	24.4	18.5	27.7
61	22.7	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 23.319 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

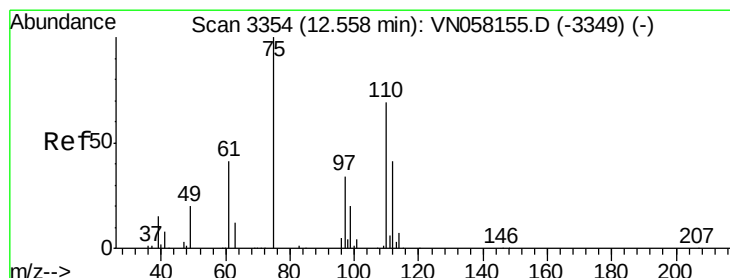
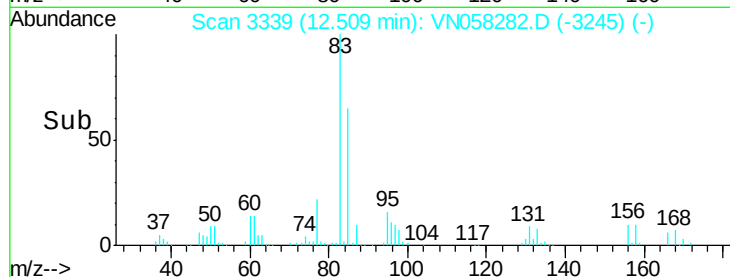
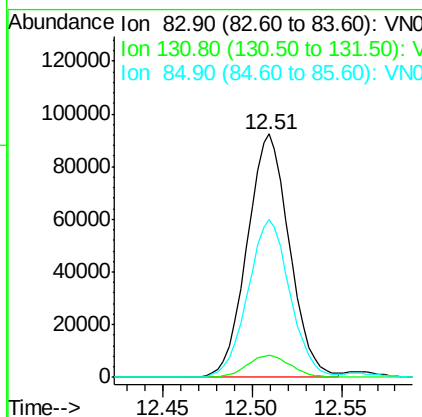
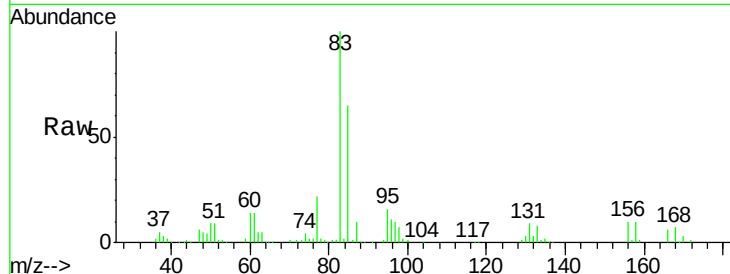
ClientSampleId :

VN0923WBS01

Tot Ion:	83	Resp:	153058
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.8	14.3
85	64.4	31.9	95.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.561 ug/l m

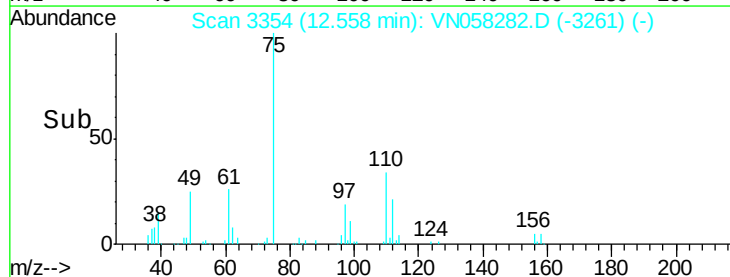
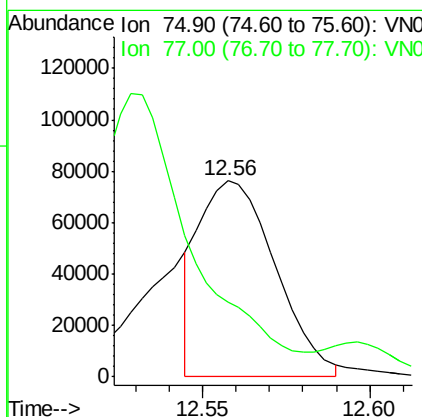
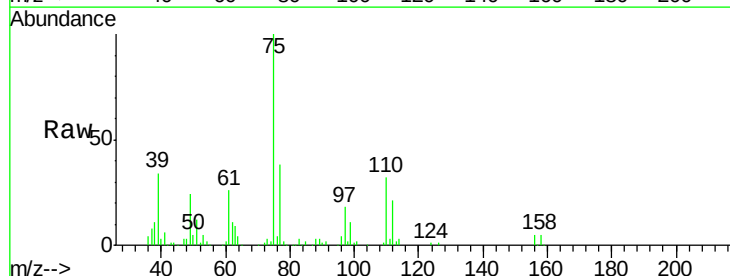
RT: 12.56 min Scan# 3354

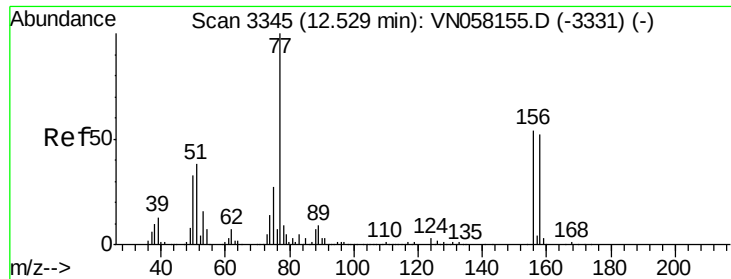
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	75	Resp:	120831
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





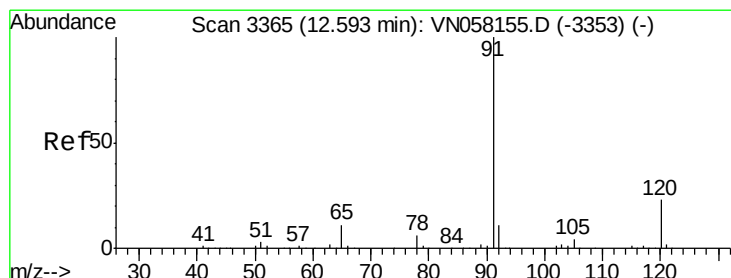
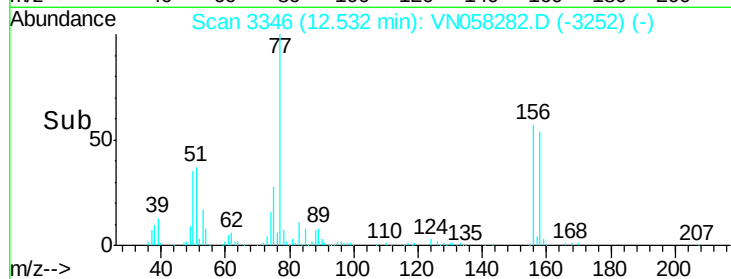
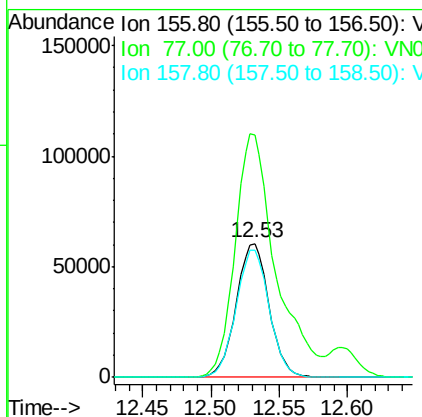
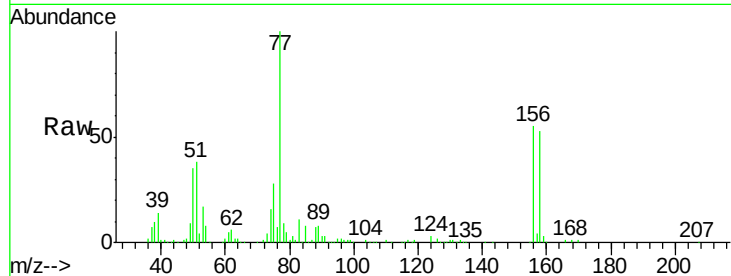
#77
Bromobenzene
Concen: 20.551 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	223.8	111.7	335.1
158	96.0	47.9	143.8

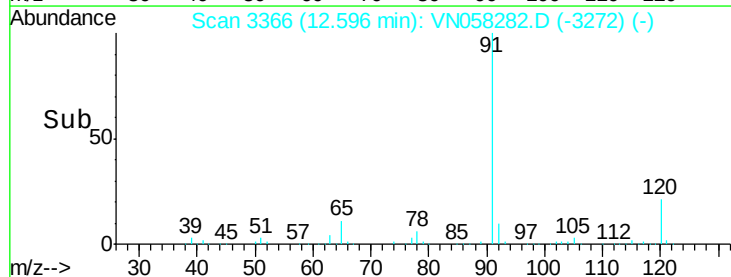
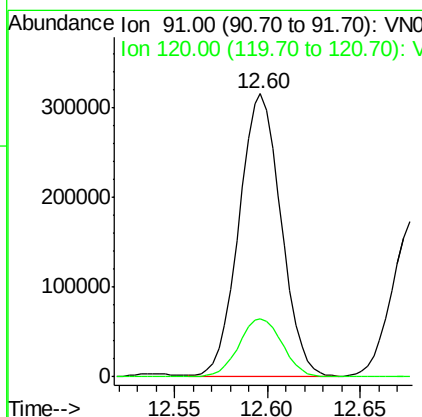
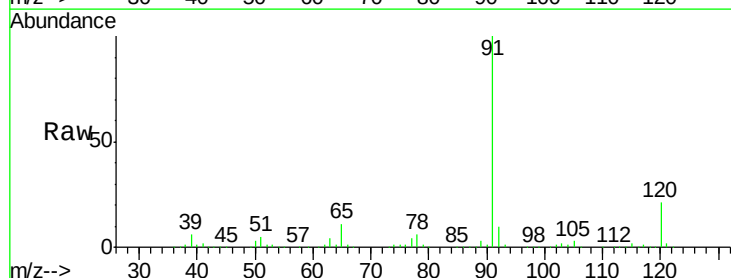
Manual Integrations
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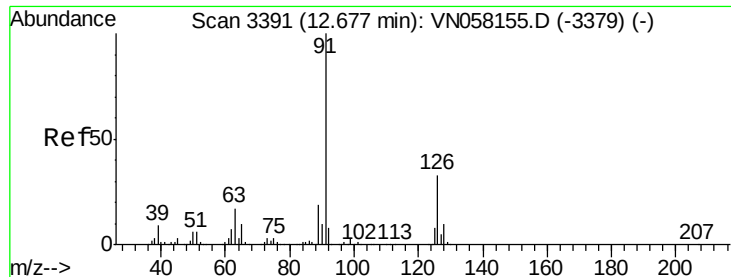
MMDadoda
9/25/2019 12:47:33 AM



#78
n-propylbenzene
Concen: 22.171 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.4	11.1	33.3





#79

2-Chlorotoluene

Concen: 21.309 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion: 91 Resp: 296622

Ion Ratio Lower Upper

91 100

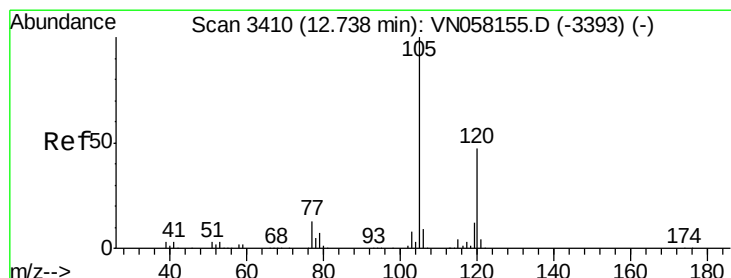
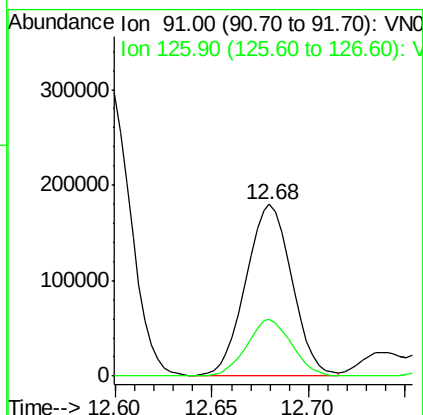
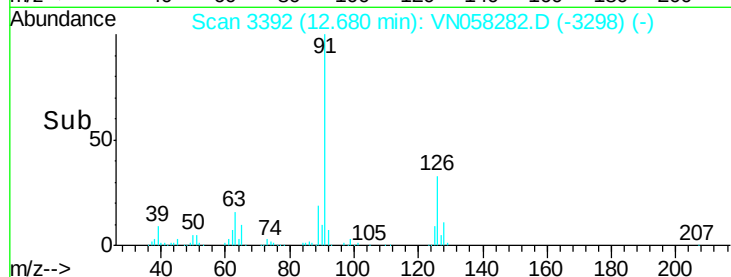
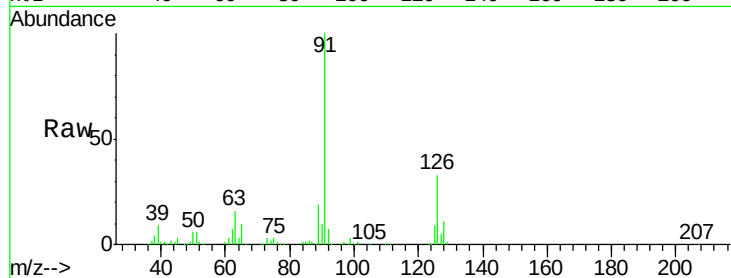
126 32.5 16.4 49.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.423 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058282.D

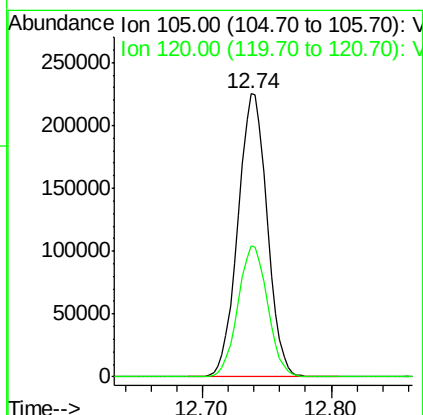
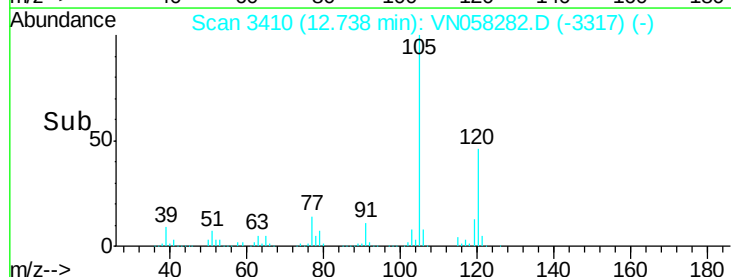
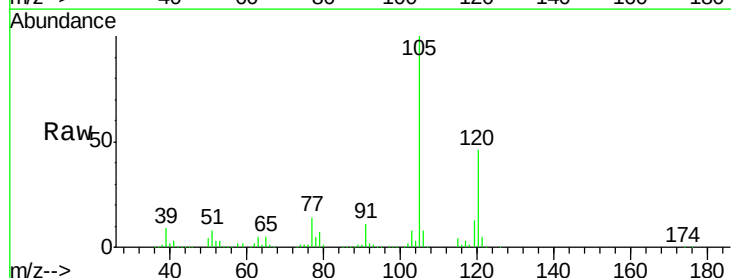
Acq: 23 Sep 2019 11:28

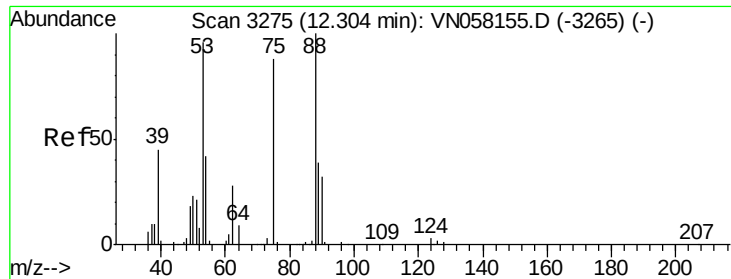
Tgt Ion: 105 Resp: 355079

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.614 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

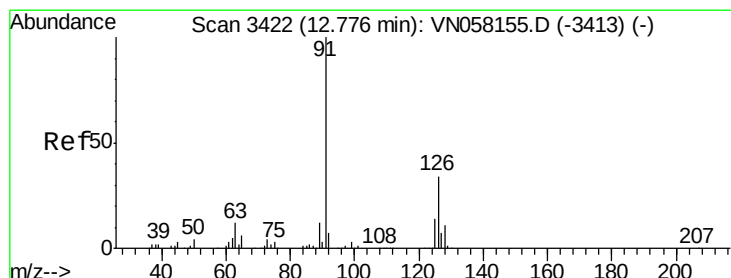
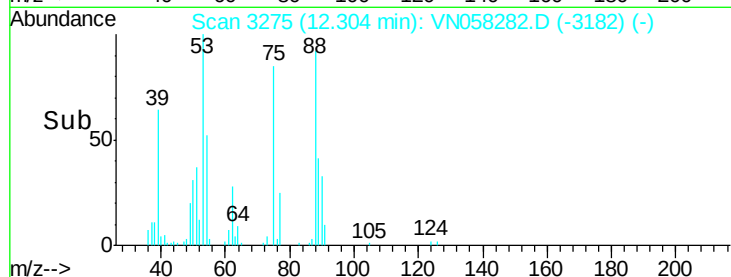
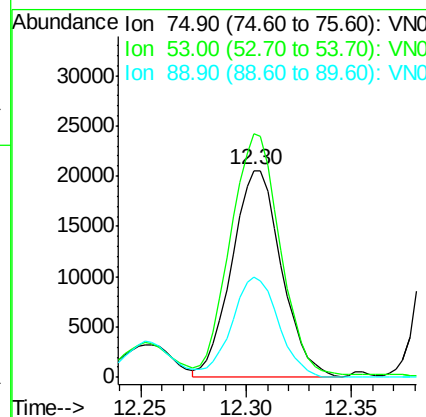
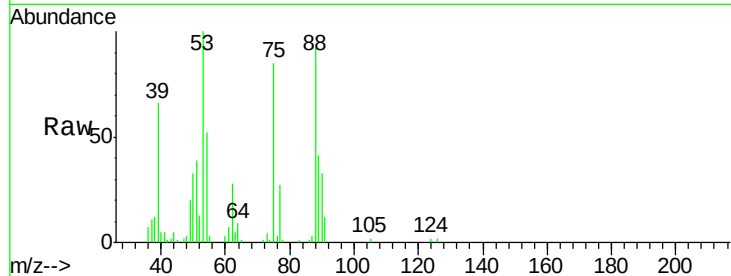
ClientSampleId :

VN0923WBS01

Tot Ion:	75	Resp:	33712
Ion Ratio	Lower	Upper	
75	100		
53	116.6	90.1	135.1
89	45.3	36.2	54.2

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#82

4-Chlorotoluene

Concen: 20.840 ug/l

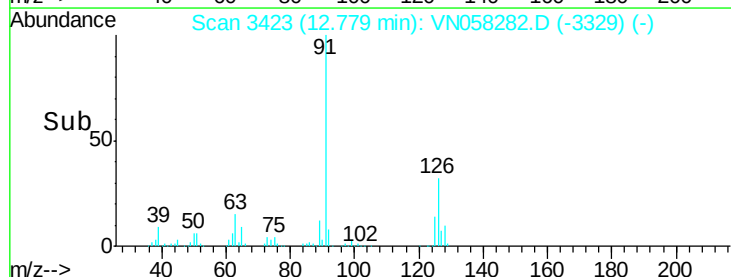
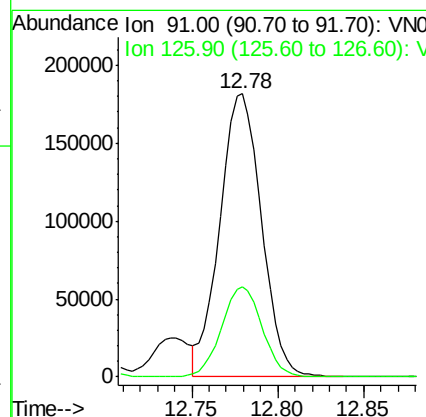
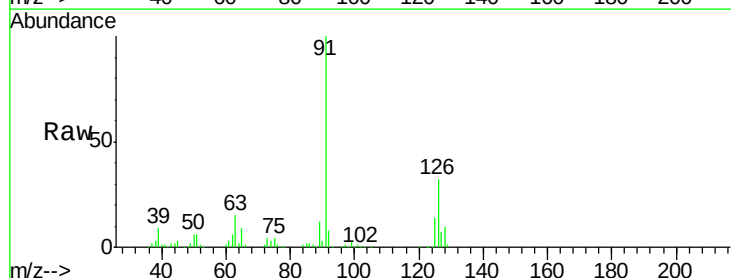
RT: 12.78 min Scan# 3423

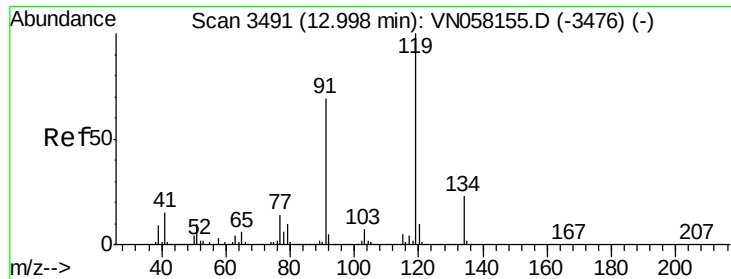
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	91	Resp:	304937
Ion Ratio	Lower	Upper	
91	100		
126	31.1	15.7	47.1





#83

tert-Butylbenzene

Concen: 21.083 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

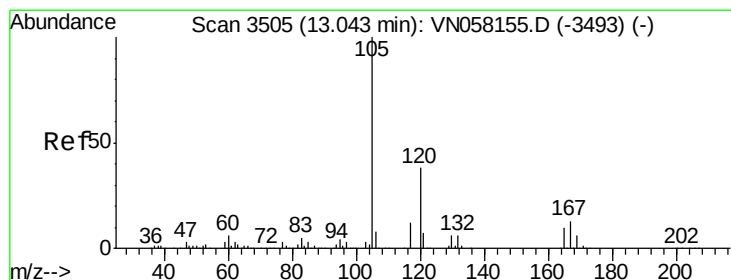
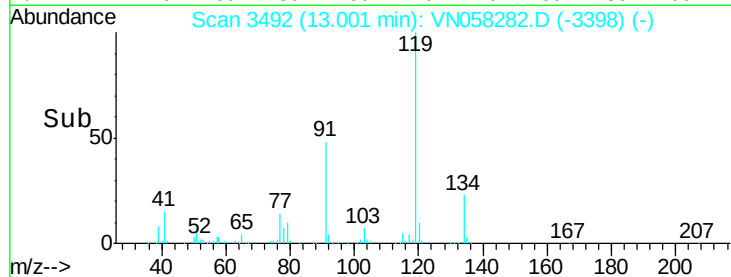
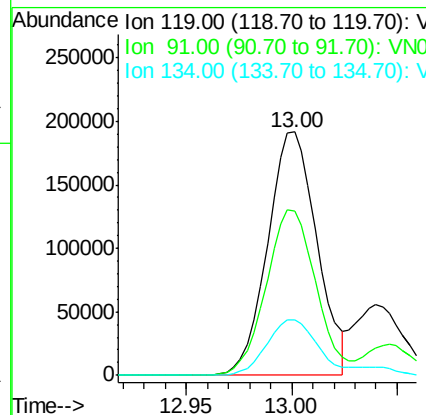
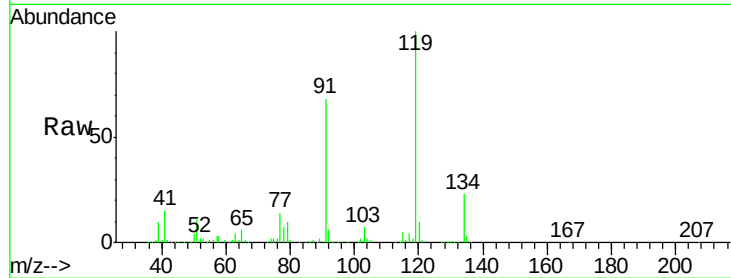
ClientSampleId :

VN0923WBS01

Tot Ion:	119	Resp:	311622
Ion Ratio	Lower	Upper	
119	100		
91	68.6	33.8	101.3
134	23.6	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.470 ug/l

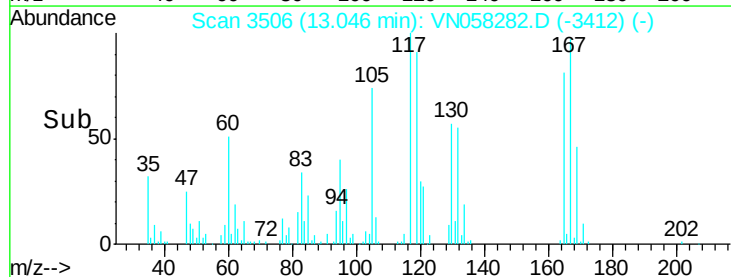
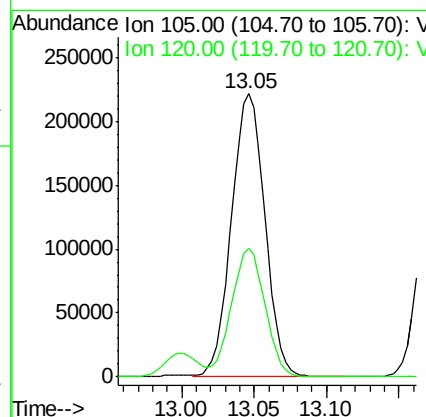
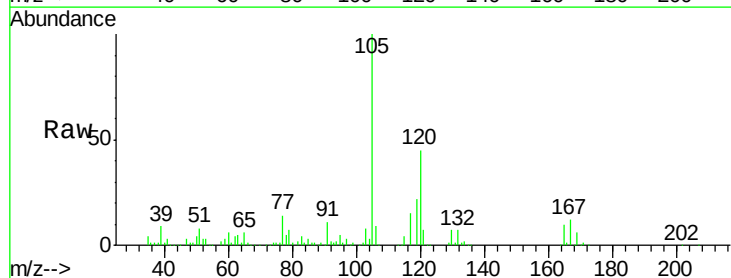
RT: 13.05 min Scan# 3506

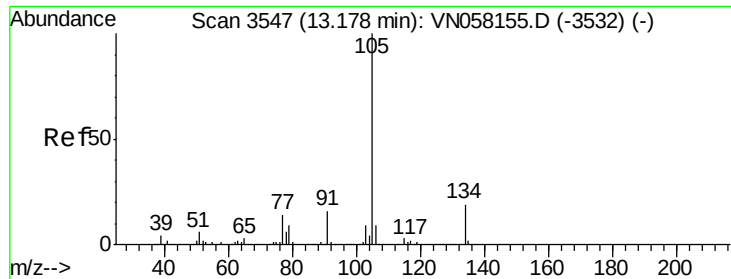
Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	105	Resp:	354139
Ion Ratio	Lower	Upper	
105	100		
120	45.4	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.730 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

ClientSampleId :

VN0923WBS01

Tot Ion:105 Resp: 420009

Ion Ratio Lower Upper

105 100

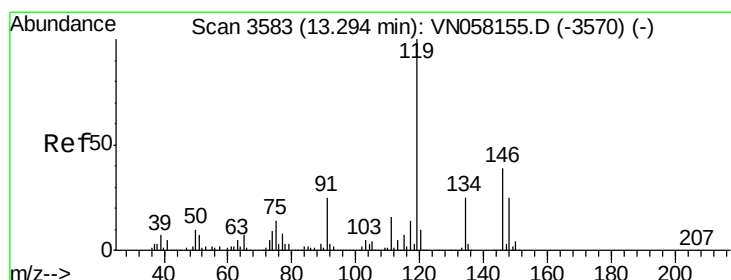
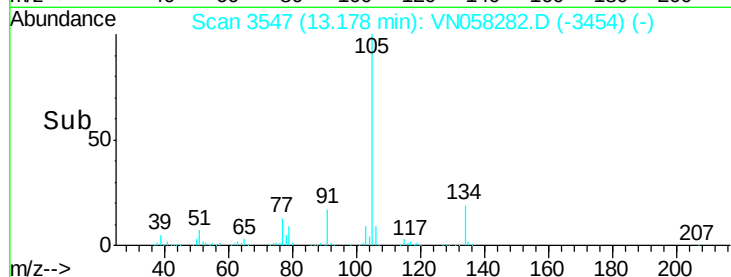
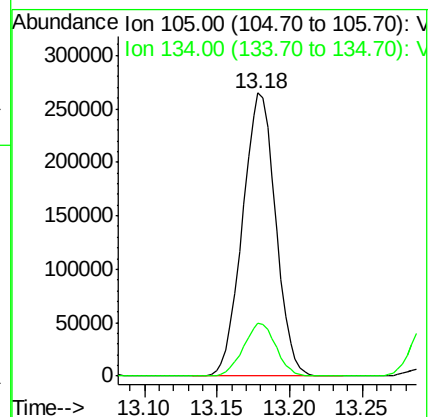
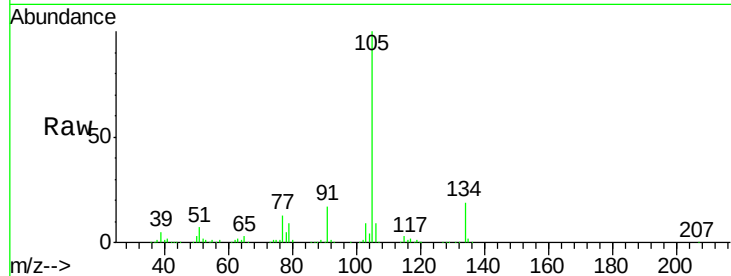
134 18.4 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.660 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

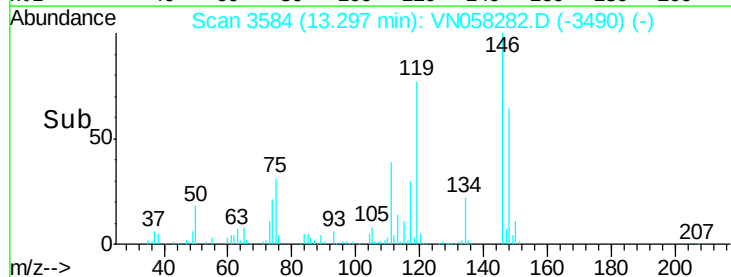
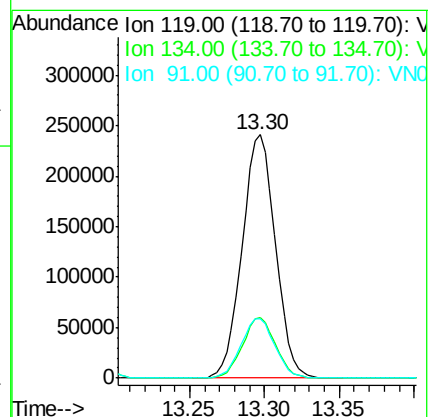
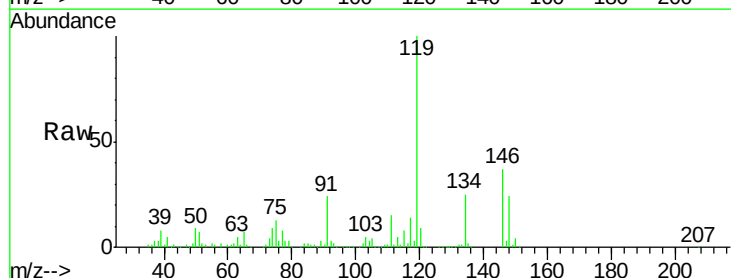
Tgt Ion:119 Resp: 372194

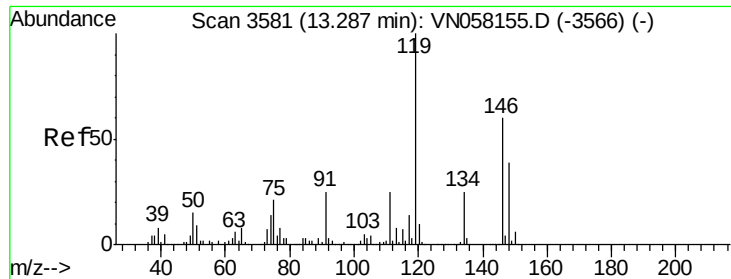
Ion Ratio Lower Upper

119 100

134 24.7 12.7 38.0

91 24.7 12.3 36.8





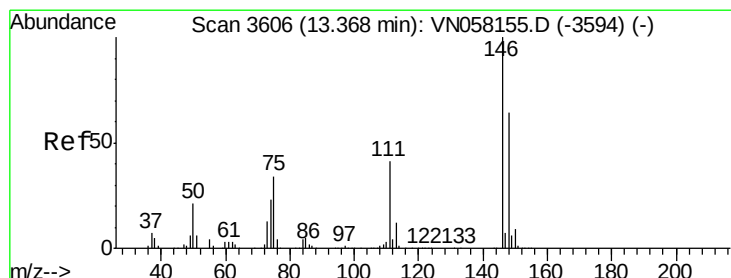
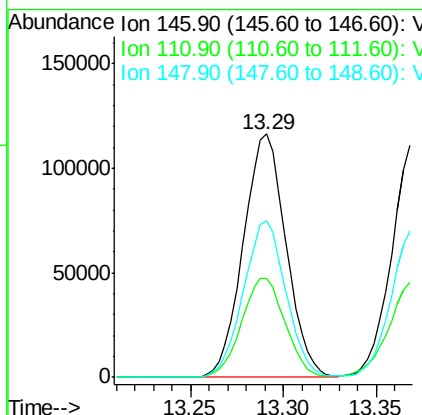
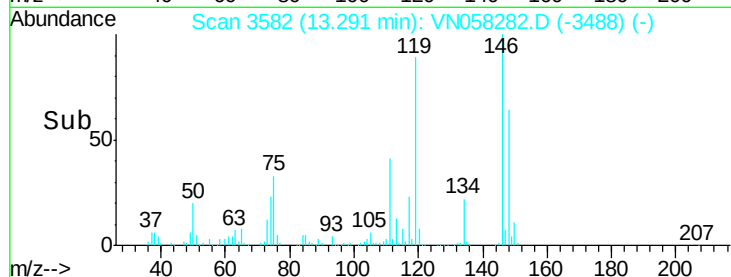
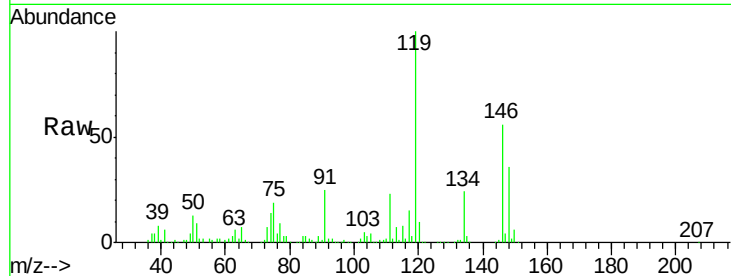
#87
 1,3-Dichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186808		
111	41.5	20.9	62.8	
148	63.9	32.0	96.2	

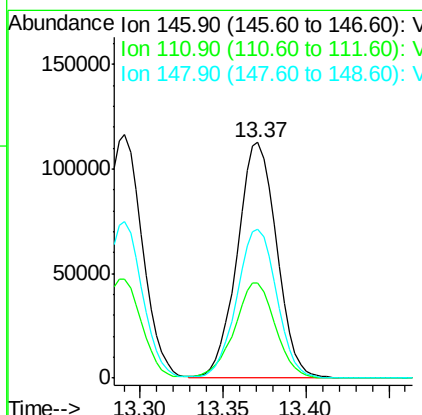
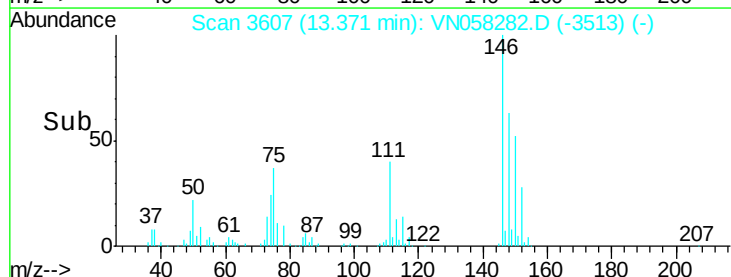
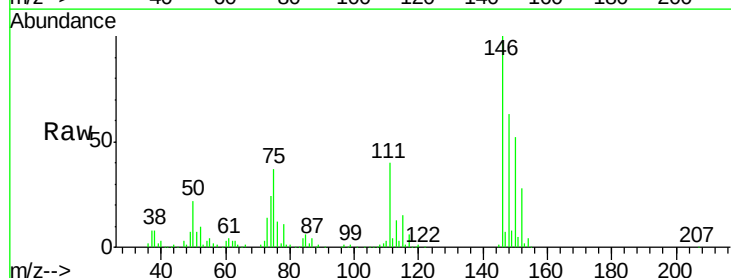
Manual Integrations
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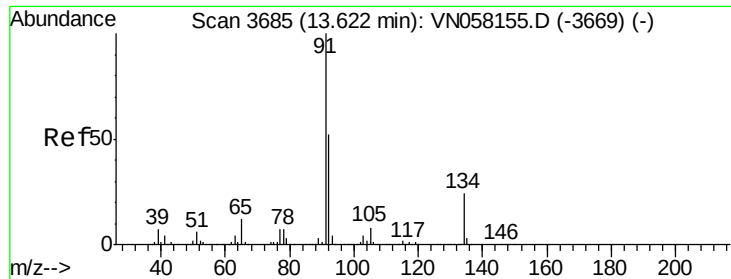
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#88
 1,4-Dichlorobenzene
 Concen: 20.224 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185931		
111	42.4	20.5	61.5	
148	64.5	31.9	95.5	





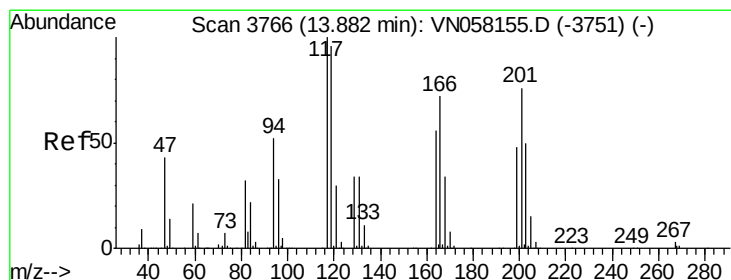
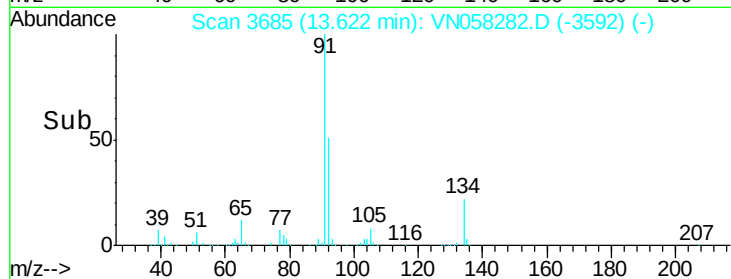
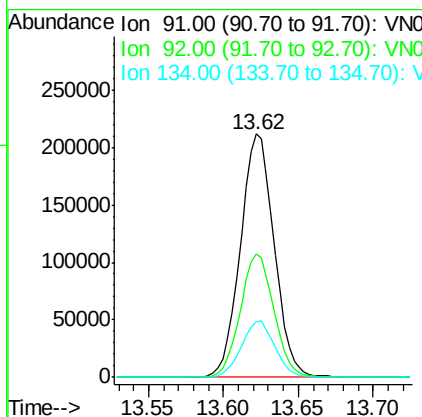
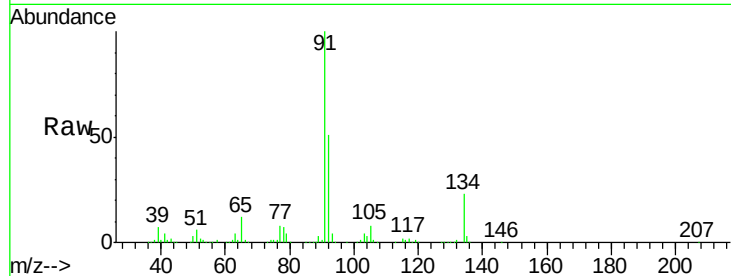
#89
n-Butylbenzene
Concen: 20.403 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Instrument :
MSVOA_N
ClientSampleId :
VN0923WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	25.7	77.0
134	23.1	11.8	35.4

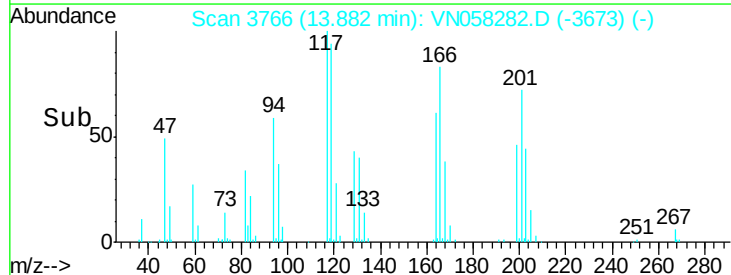
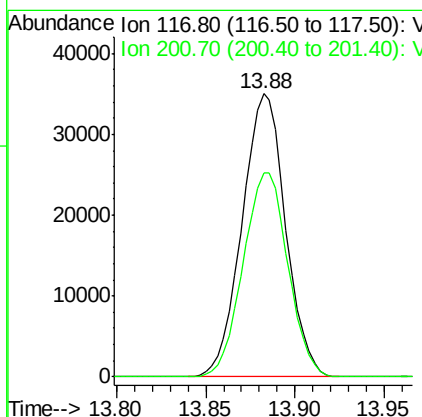
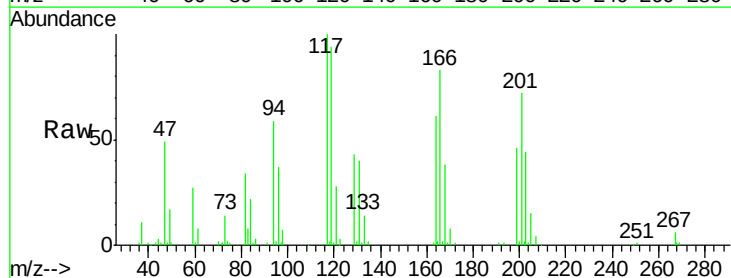
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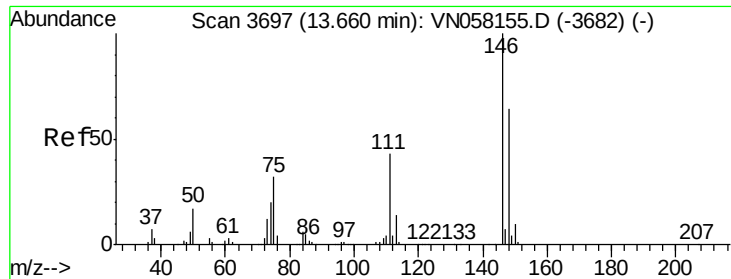
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#90
Hexachloroethane
Concen: 21.445 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058282.D
Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.2	37.5	112.5





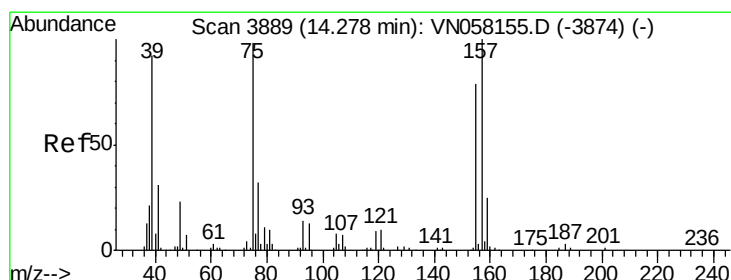
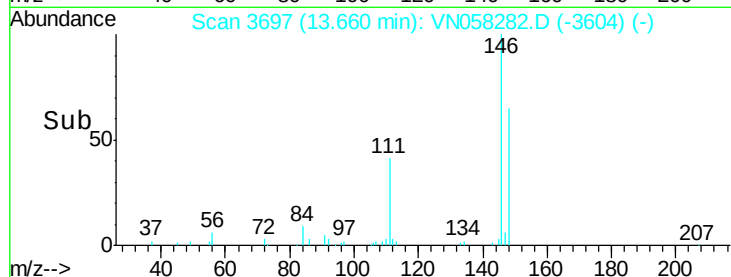
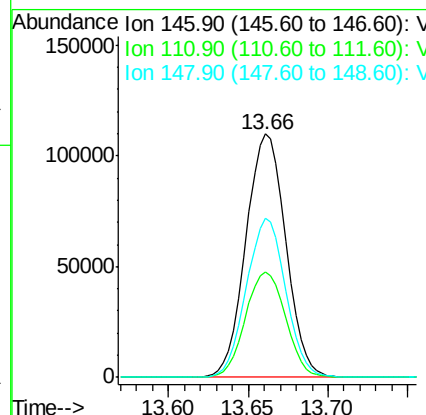
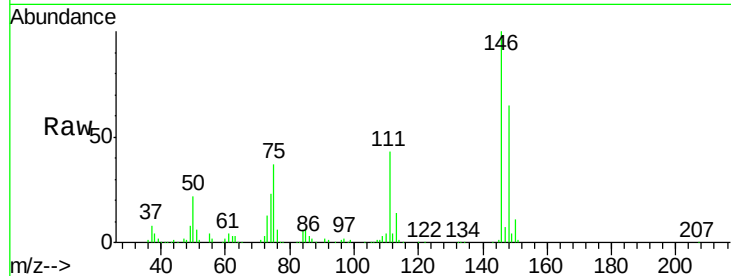
#91
 1,2-Dichlorobenzene
 Concen: 20.775 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.1	63.1
148	64.6	31.8	95.4

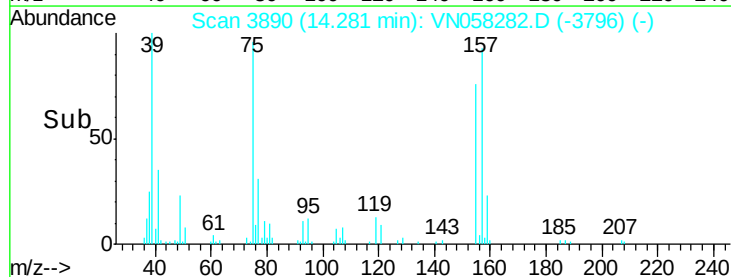
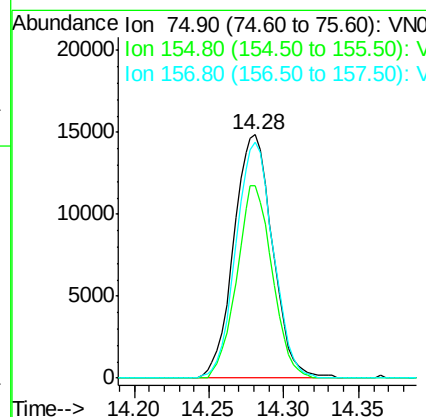
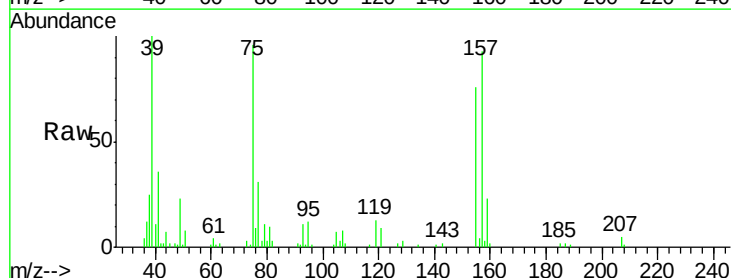
Manual Integrations
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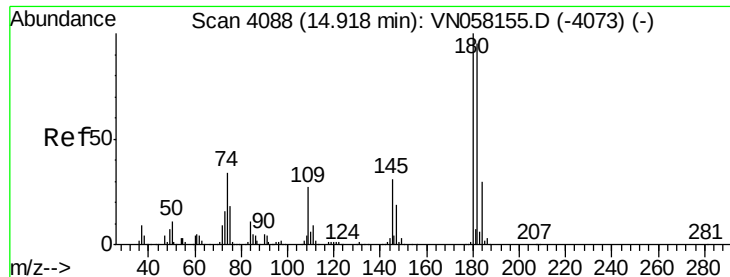
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.649 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.4	38.3	114.8
157	92.9	48.0	144.0





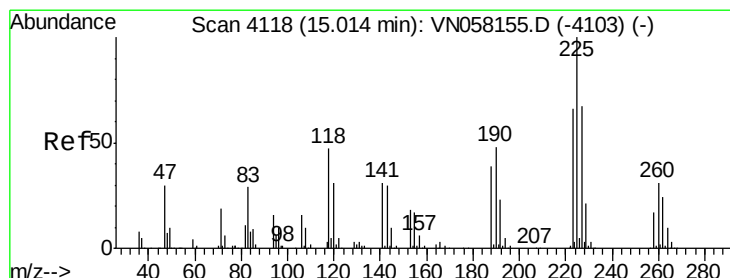
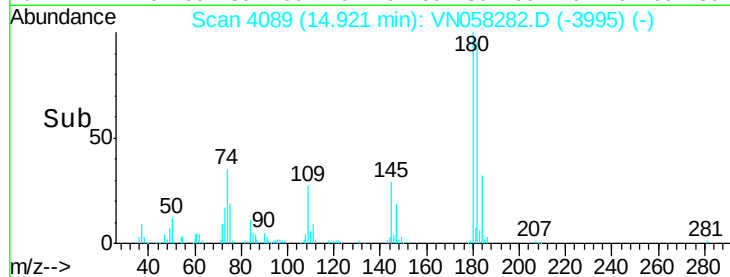
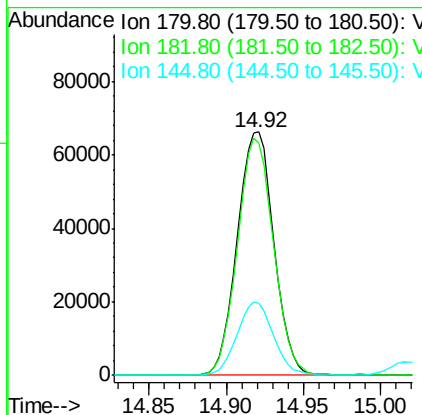
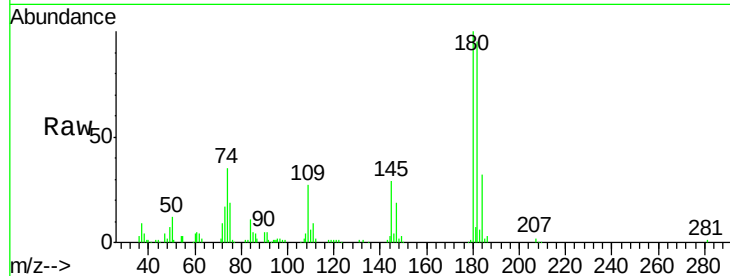
#93
 1,2,4-Trichlorobenzene
 Concen: 18.902 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0923WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	109095		
182	95.9	47.8	143.3	
145	30.1	15.4	46.4	

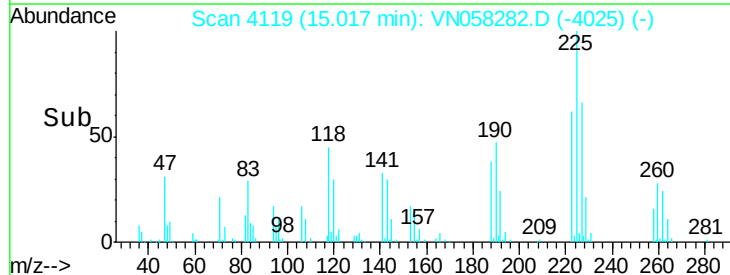
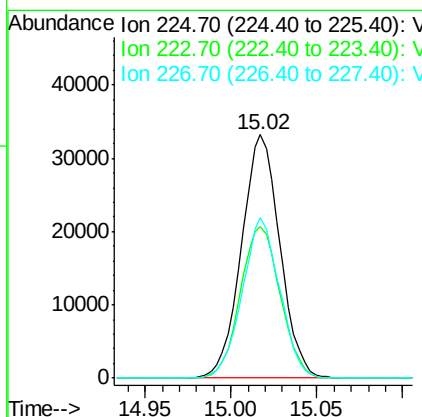
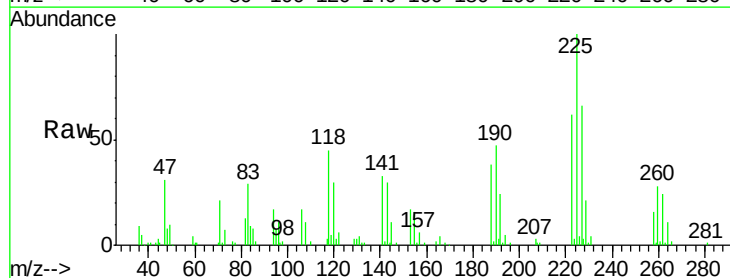
Manual Integrations
 APPROVED

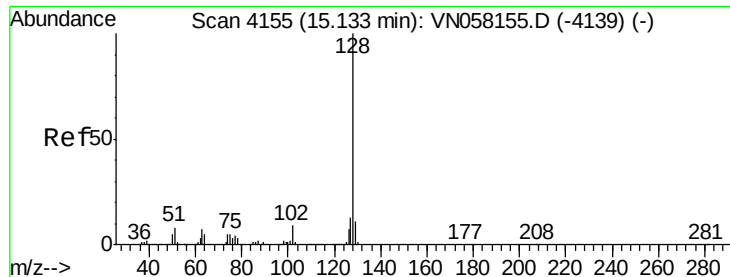
MMDadoda
 9/25/2019 12:47:33 AM



#94
 Hexachlorobutadiene
 Concen: 18.471 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058282.D
 Acq: 23 Sep 2019 11:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51527		
223	64.7	32.6	97.7	
227	64.2	33.0	99.0	





#95

Naphthalene

Concen: 20.812 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Instrument :

MSVOA_N

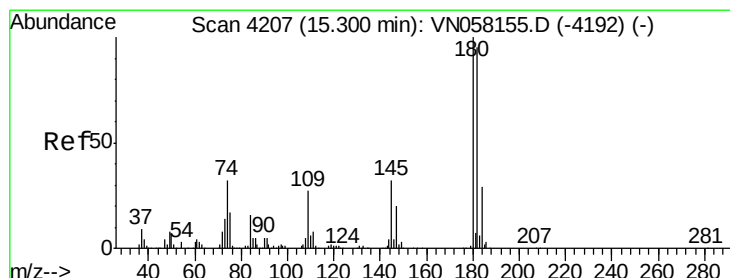
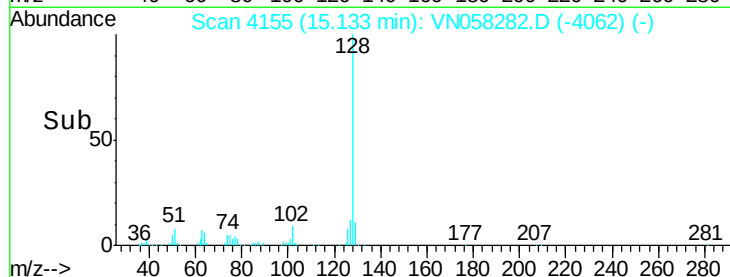
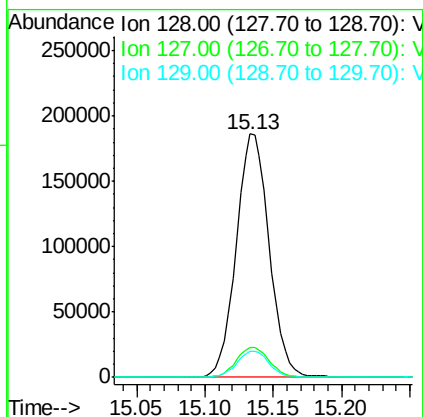
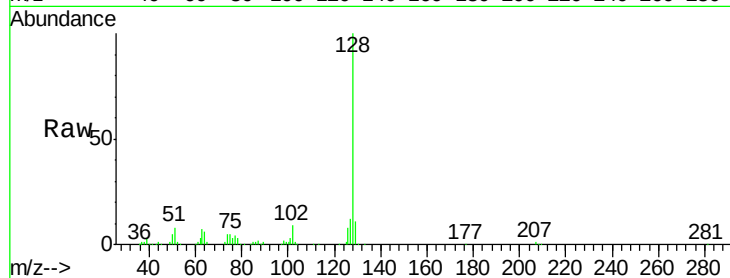
ClientSampleId :

VN0923WBS01

Tot Ion:	128	Resp:	311301
Ion Ratio	Lower	Upper	
128	100		
127	12.5	10.2	15.2
129	10.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/25/2019 12:47:33 AM



#96

1,2,3-Trichlorobenzene

Concen: 19.714 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058282.D

Acq: 23 Sep 2019 11:28

Tgt Ion:	180	Resp:	107542
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.4	142.2
145	30.1	16.1	48.2

