

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058214.D
 Acq On : 19 Sep 2019 19:16
 Operator : JC/SP
 Sample : VN0919WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:45 PM

Quant Time: Sep 20 05:46:21 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	470190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796251	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	727757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	348925	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	350278	53.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.98%	
35) Dibromofluoromethane	7.57	113	250980	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	
50) Toluene-d8	10.08	98	1004149	53.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.48%	
62) 4-Bromofluorobenzene	12.40	95	360618	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	74246	19.222	ug/l	97
3) Chloromethane	2.04	50	63278	20.647	ug/l	100
4) Vinyl Chloride	2.17	62	68918	20.636	ug/l	95
5) Bromomethane	2.54	94	33782	20.041	ug/l	99
6) Chloroethane	2.68	64	44932	20.512	ug/l	99
7) Trichlorofluoromethane	3.00	101	100752	19.110	ug/l	100
8) Diethyl Ether	3.39	74	47566	19.691	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72936	19.188	ug/l	98
10) Methyl Iodide	3.93	142	58221	18.279	ug/l	99
11) Tert butyl alcohol	4.75	59	74292	95.369	ug/l	99
12) 1,1-Dichloroethene	3.72	96	59466	20.404	ug/l	93
13) Acrolein	3.59	56	23653	204.886	ug/l	96
14) Allyl chloride	4.30	41	118681	19.081	ug/l	97
15) Acrylonitrile	4.96	53	222761	107.330	ug/l	99
16) Acetone	3.80	43	184013	82.779	ug/l	97
17) Carbon Disulfide	4.03	76	70298	17.490	ug/l	96
18) Methyl Acetate	4.30	43	123329	21.084	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	297899	20.779	ug/l	98
20) Methylene Chloride	4.53	84	85038	21.725	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	62418	19.612	ug/l	99
22) Diisopropyl ether	5.93	45	322349	20.402	ug/l	95
23) Vinyl Acetate	5.87	43	1128530	104.385	ug/l	99
24) 1,1-Dichloroethane	5.82	63	169688	20.123	ug/l	99
25) 2-Butanone	6.81	43	296071	97.762	ug/l	100
26) 2,2-Dichloropropane	6.80	77	125426	17.532	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94063	19.727	ug/l	98
28) Bromochloromethane	7.17	49	89863	22.527	ug/l	99
29) Tetrahydrofuran	7.19	42	189597	101.635	ug/l	99
30) Chloroform	7.36	83	180917	19.931	ug/l	98
31) Cyclohexane	7.64	56	112327	19.116	ug/l	# 93
32) 1,1,1-Trichloroethane	7.55	97	137812	19.943	ug/l	98
36) 1,1-Dichloropropene	7.78	75	102893	17.919	ug/l	99
37) Ethyl Acetate	6.91	43	120902	20.289	ug/l	99
38) Carbon Tetrachloride	7.76	117	108367	18.774	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	105770	19.095	ug/l	98
40) Benzene	8.03	78	343583	19.590	ug/l	100
41) Methacrylonitrile	7.15	41	57939	19.859	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	145190	19.729	ug/l	100
43) Isopropyl Acetate	8.15	43	228322	20.515	ug/l	98
44) Trichloroethene	8.82	130	83462	19.446	ug/l	99
45) 1,2-Dichloropropane	9.11	63	106675	20.367	ug/l	100
46) Dibromomethane	9.20	93	64426	20.232	ug/l	96
47) Bromodichloromethane	9.39	83	132753	19.899	ug/l	100
48) Methyl methacrylate	9.19	41	103818	20.545	ug/l	98
49) 1,4-Dioxane	9.19	88	29542	356.086	ug/l	94
51) 4-Methyl-2-Pentanone	9.98	43	670330	113.397	ug/l	98
52) Toluene	10.15	92	213718	19.444	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	130658	19.120	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	147102	19.497	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	103324	21.183	ug/l	97
56) Ethyl methacrylate	10.43	69	146160	20.768	ug/l	100
57) 1,3-Dichloropropane	10.71	76	168421	20.085	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	395993	118.126	ug/l	100
59) 2-Hexanone	10.75	43	469621	106.968	ug/l	99
60) Dibromochloromethane	10.90	129	93735	19.975	ug/l	99
61) 1,2-Dibromoethane	11.00	107	91946	20.340	ug/l	98
64) Tetrachloroethene	10.63	164	69492	19.588	ug/l	99
65) Chlorobenzene	11.43	112	253604	19.812	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	92547	19.939	ug/l	99
67) Ethyl Benzene	11.51	91	443389	20.215	ug/l	98
68) m/p-Xylenes	11.62	106	322515	39.041	ug/l	96
69) o-Xylene	11.95	106	161512	19.884	ug/l	98
70) Styrene	11.97	104	284317	20.315	ug/l	99
71) Bromoform	12.13	173	56626	18.867	ug/l #	100
73) Isopropylbenzene	12.25	105	457336	20.940	ug/l	99
74) N-amyl acetate	12.07	43	193081	21.132	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	151697	20.741	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	131728m	21.094	ug/l	
77) Bromobenzene	12.53	156	107398	19.549	ug/l	96
78) n-propylbenzene	12.60	91	535956	21.595	ug/l	99
79) 2-Chlorotoluene	12.68	91	324253	20.905	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	395543	21.417	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	33161	19.758	ug/l	94
82) 4-Chlorotoluene	12.78	91	334485	20.515	ug/l	100
83) tert-Butylbenzene	13.00	119	341292	20.722	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	390741	21.260	ug/l	99
85) sec-Butylbenzene	13.18	105	462827	21.490	ug/l	100
86) p-Isopropyltoluene	13.29	119	410073	21.417	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	203955	20.326	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	204739	19.986	ug/l	99
89) n-Butylbenzene	13.62	91	374067	20.607	ug/l	99
90) Hexachloroethane	13.88	117	58230	19.187	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	209161	20.780	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25372	19.269	ug/l	98

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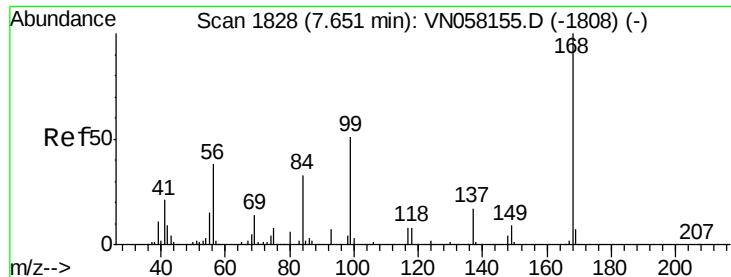
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	125935	19.582	ug/l	100
94) Hexachlorobutadiene	15.02	225	62065	19.967	ug/l	98
95) Naphthalene	15.13	128	339516	20.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	118965	19.571	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:168 Resp: 470190

Ion Ratio Lower Upper

168 100

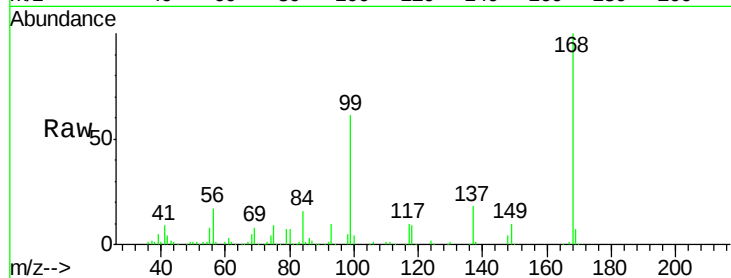
99 60.7 47.4 71.2

Manual Integrations

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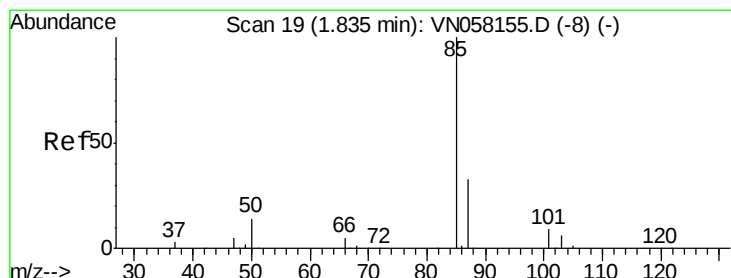
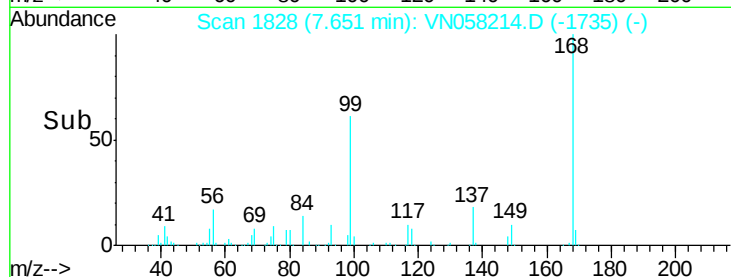
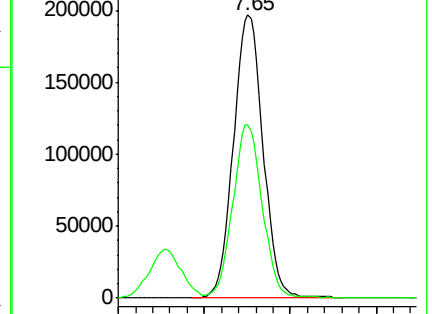
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.222 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058214.D

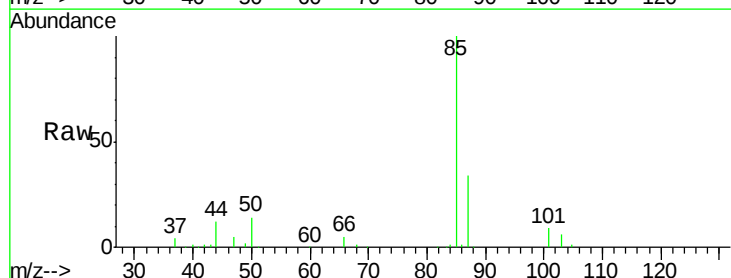
Acq: 19 Sep 2019 19:16

Tgt Ion: 85 Resp: 74246

Ion Ratio Lower Upper

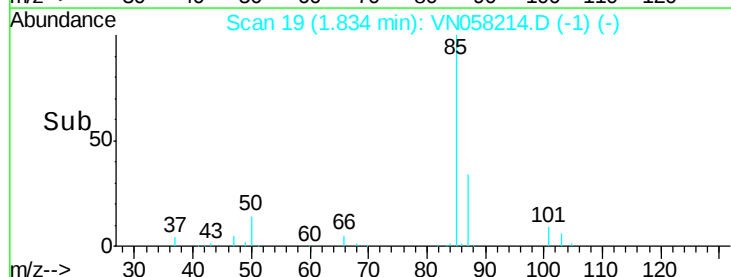
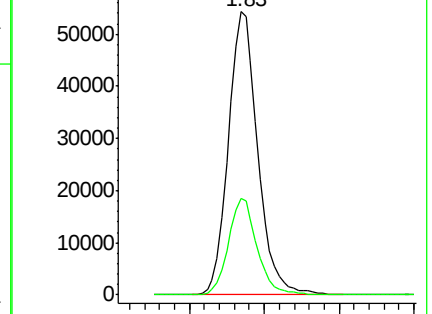
85 100

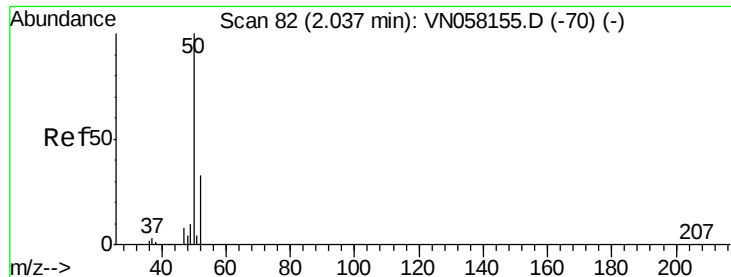
87 34.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.647 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 50 Resp: 63278

Ion Ratio Lower Upper

50 100

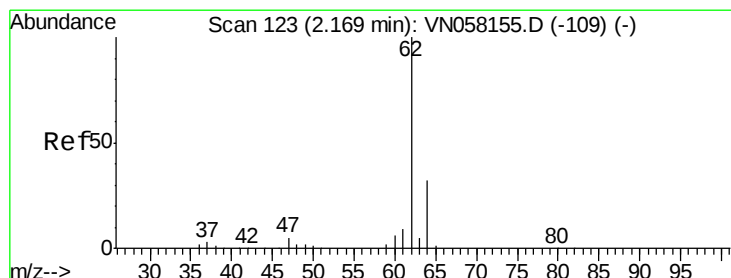
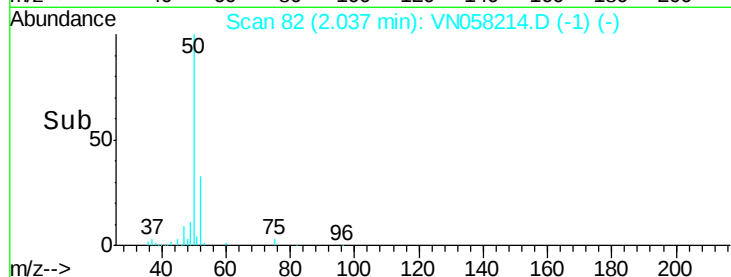
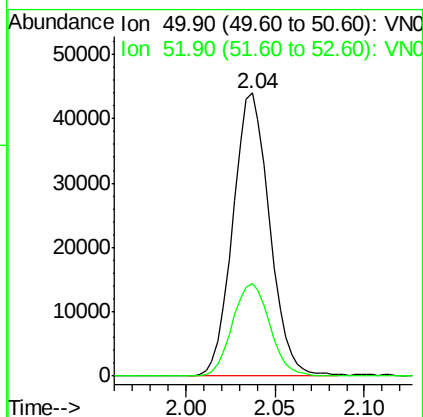
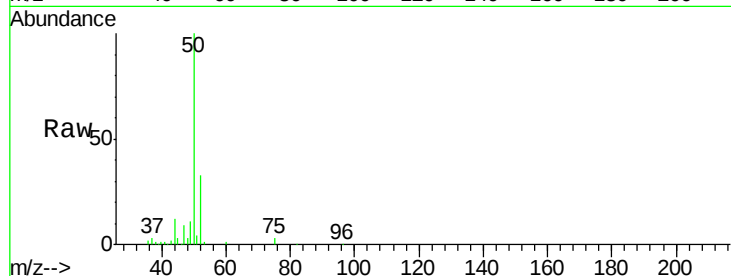
52 32.6 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.636 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058214.D

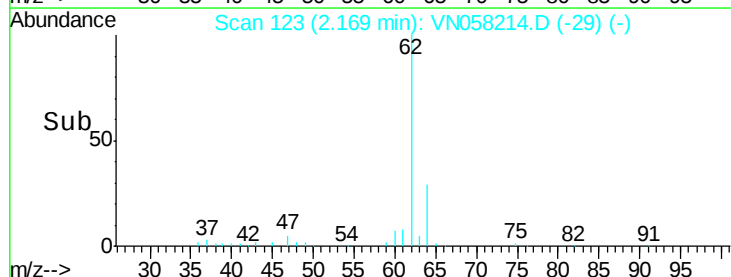
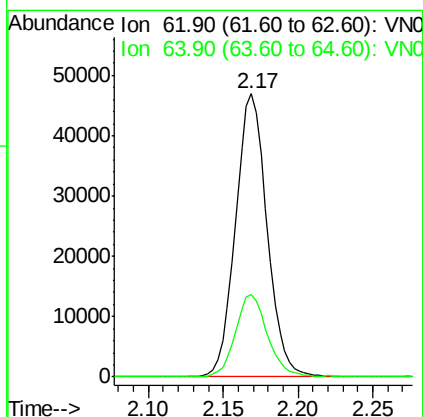
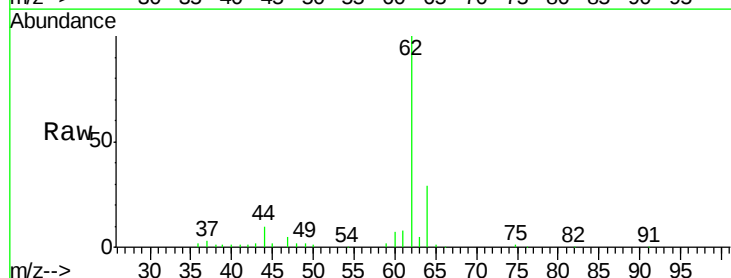
Acq: 19 Sep 2019 19:16

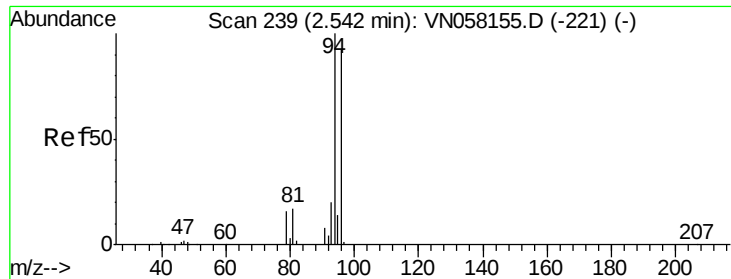
Tgt Ion: 62 Resp: 68918

Ion Ratio Lower Upper

62 100

64 28.9 25.4 38.2





#5

Bromomethane

Concen: 20.041 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 94 Resp: 33782

Ion Ratio Lower Upper

94 100

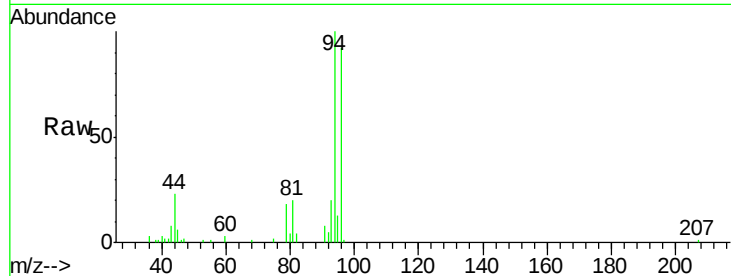
96 92.2 73.3 109.9

Manual Integrations

APPROVED

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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

20000

15000

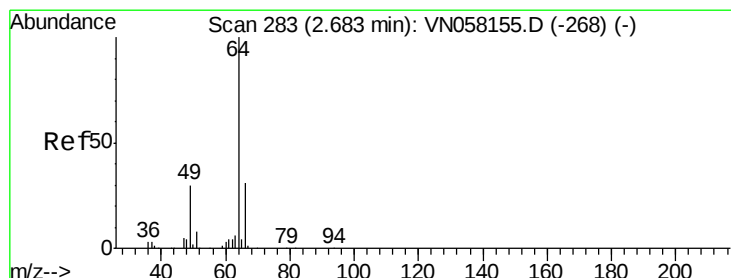
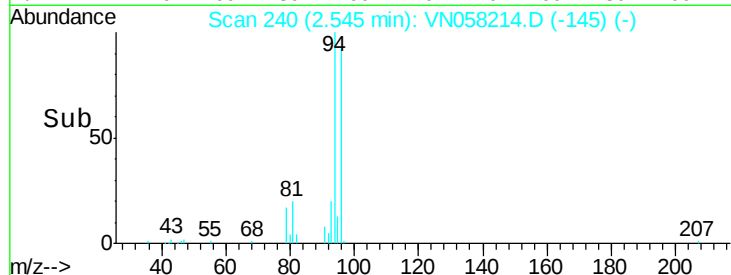
10000

5000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 20.512 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058214.D

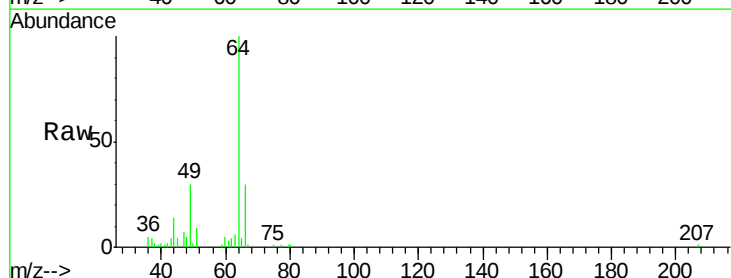
Acq: 19 Sep 2019 19:16

Tgt Ion: 64 Resp: 44932

Ion Ratio Lower Upper

64 100

66 30.1 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

25000

20000

15000

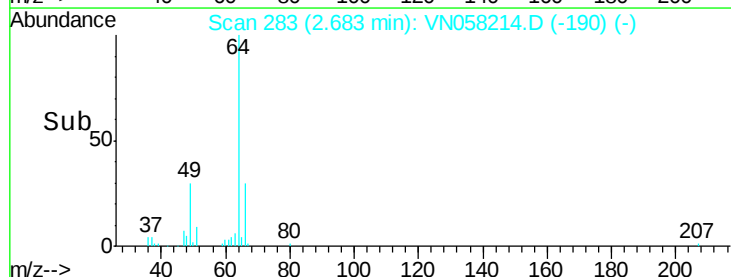
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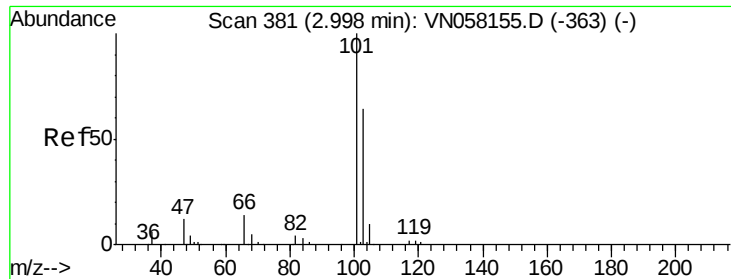
5000

0

Time-->

2.60 2.70 2.80





#7

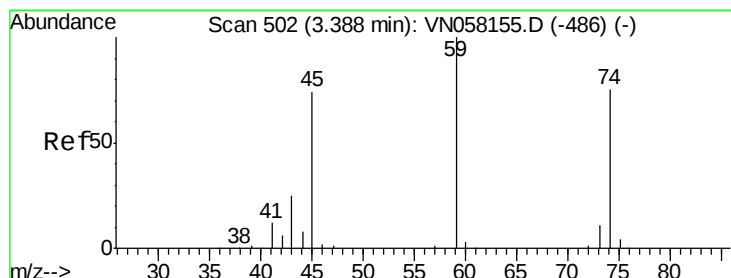
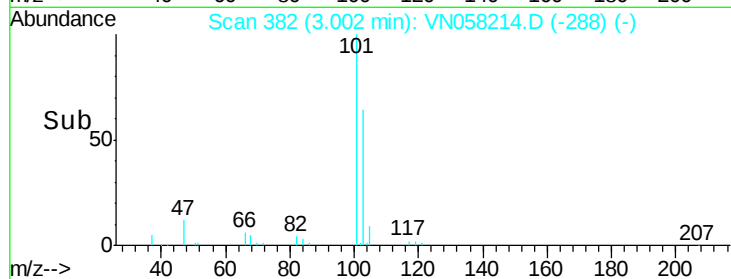
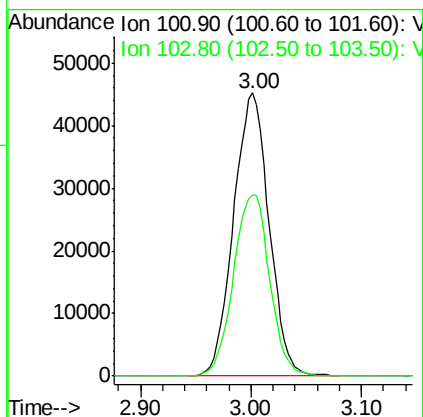
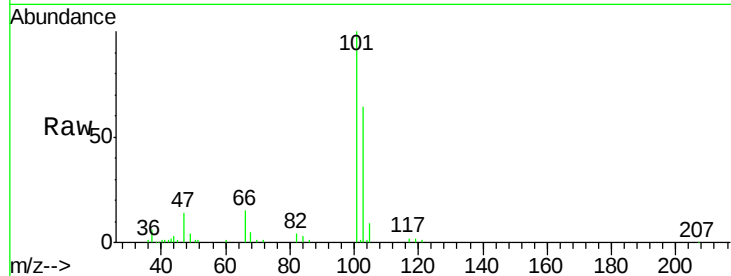
Trichlorofluoromethane
Concen: 19.110 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

Manual Integrations
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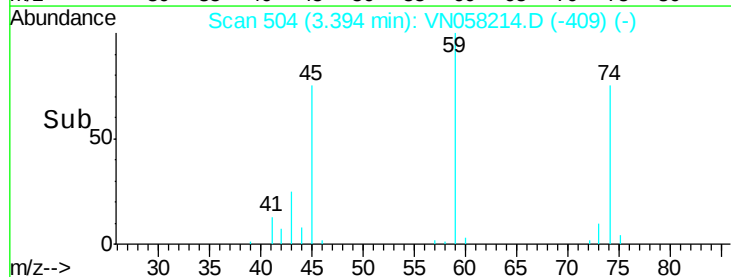
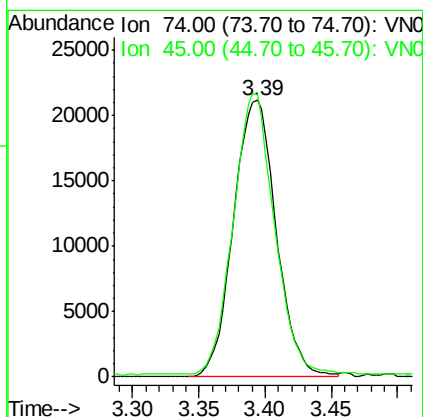
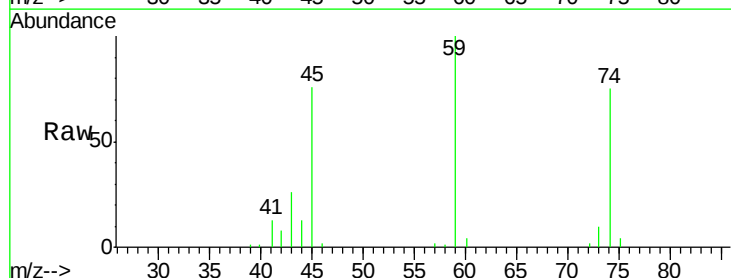
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9/20/2019 3:37:45 PM



#8

Diethyl Ether
Concen: 19.691 ug/l
RT: 3.39 min Scan# 504
Delta R.T. 0.01 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.2	48.5	145.5





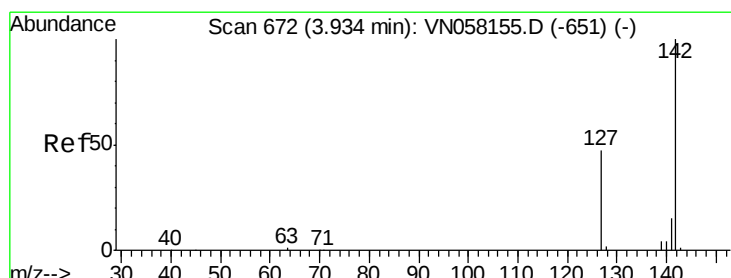
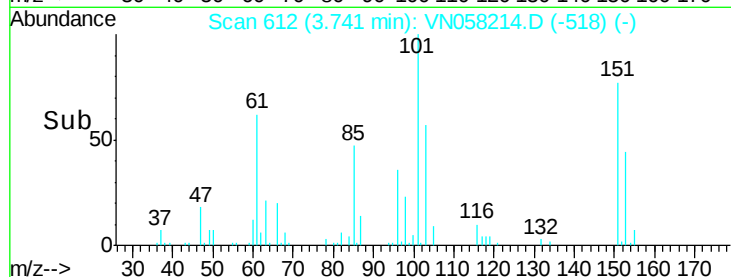
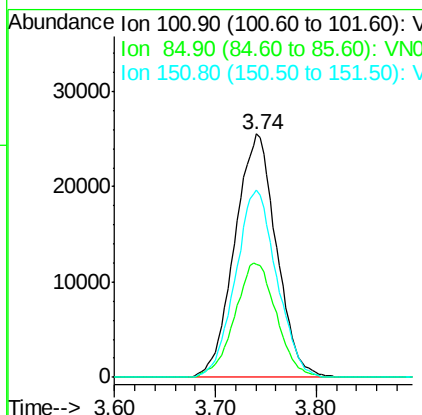
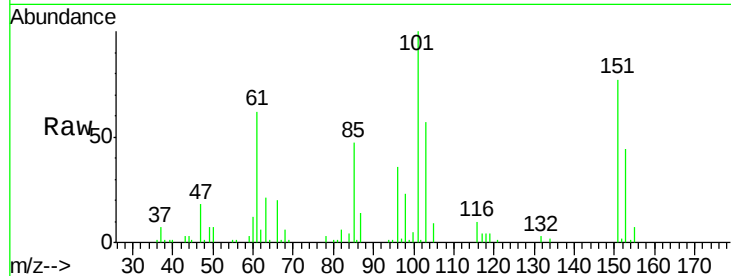
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.188 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
85	47.2	37.3	55.9
151	76.3	59.6	89.4

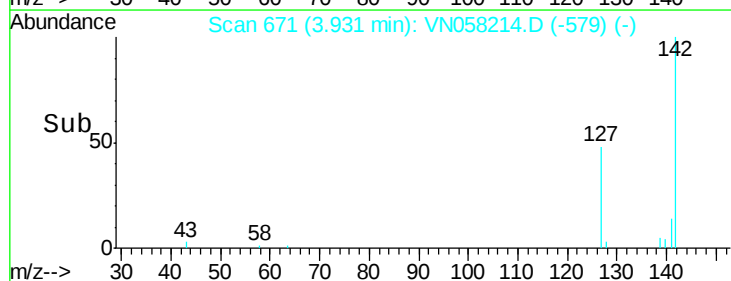
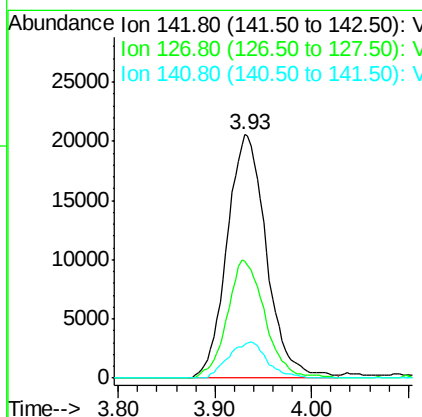
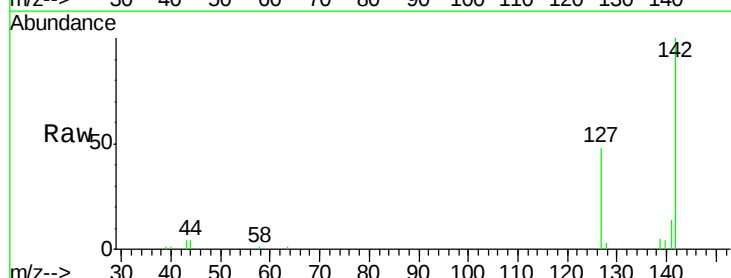
Manual Integrations
APPROVED

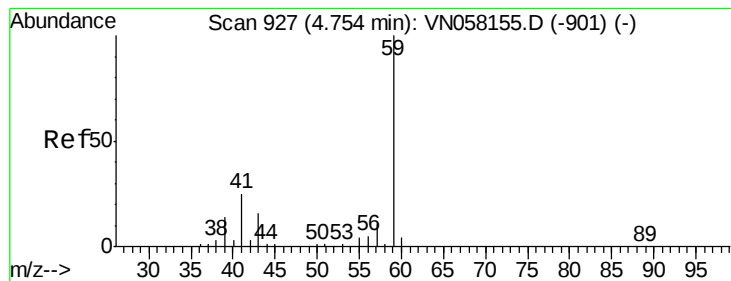
MMDadoda
9/20/2019 3:37:45 PM



#10
Methyl Iodide
Concen: 18.279 ug/l
RT: 3.93 min Scan# 671
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
142	100		
127	45.8	37.5	56.3
141	14.5	11.4	17.2





#11

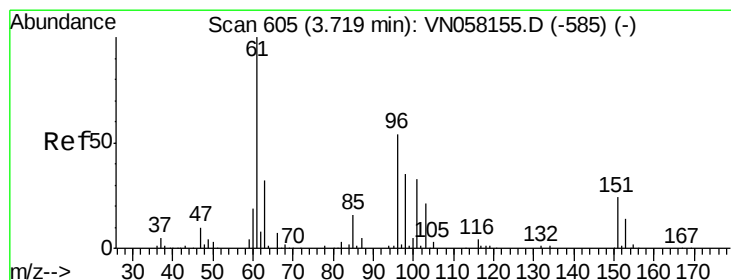
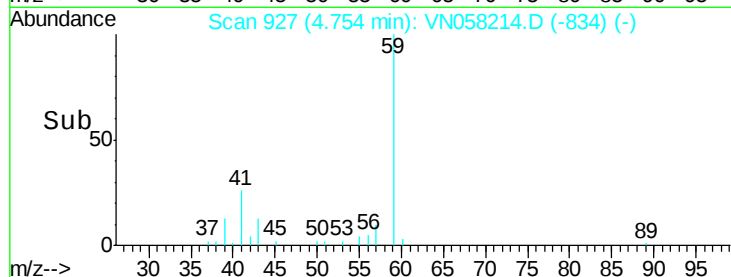
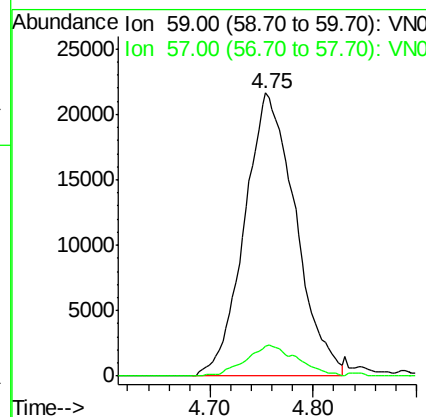
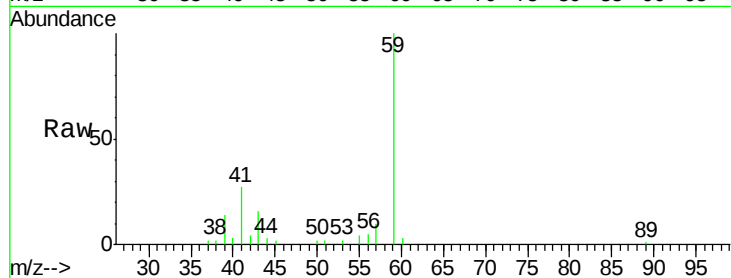
Tert butyl alcohol
Concen: 95.369 ug/l
RT: 4.75 min Scan# 927
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampled :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	13.0

Manual Integrations
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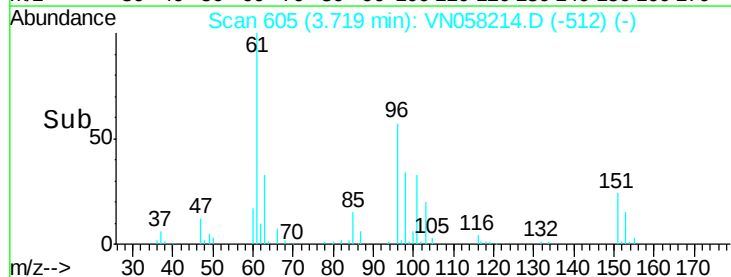
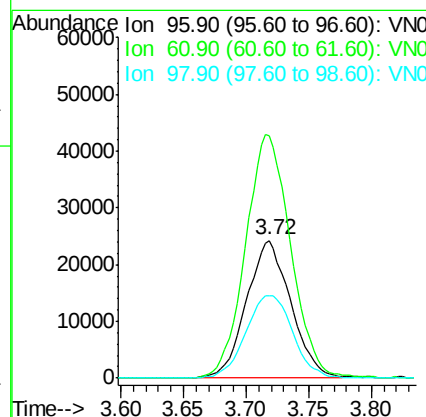
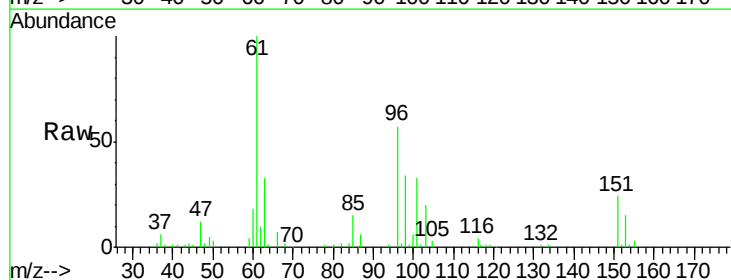
MMDadoda
9/20/2019 3:37:45 PM



#12

1,1-Dichloroethene
Concen: 20.404 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.4	149.5	224.3
98	60.1	52.4	78.6





#13

Acrolein

Concen: 204.886 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 56 Resp: 23653

Ion Ratio Lower Upper

56 100

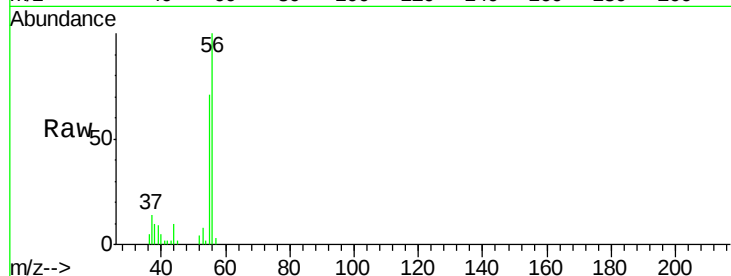
55 73.2 56.1 84.1

Manual Integrations

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MMDadoda

9/20/2019 3:37:45 PM

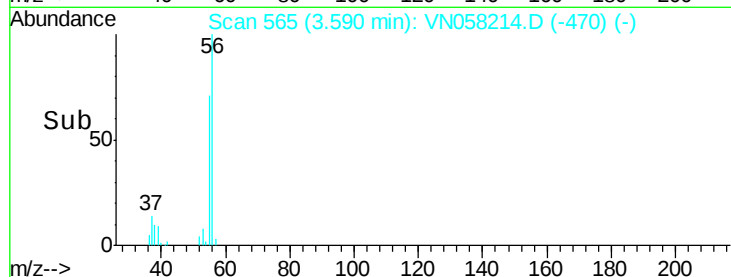


Abundance Ion 56.00 (55.70 to 56.70): VN058214.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN058214.D (-549) (-)

3.59

Time-->



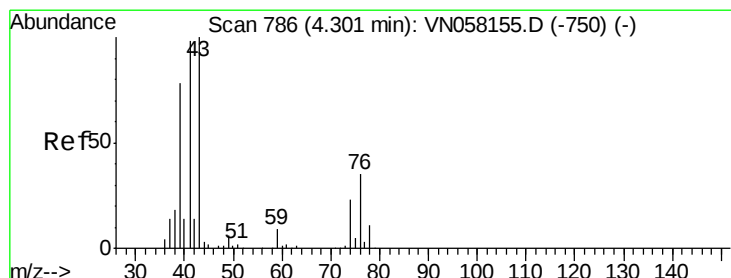
Abundance

Ion 56.00 (55.70 to 56.70): VN058214.D (-549) (-)

Ion 55.00 (54.70 to 55.70): VN058214.D (-549) (-)

3.59

Time-->



#14

Allyl chloride

Concen: 19.081 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

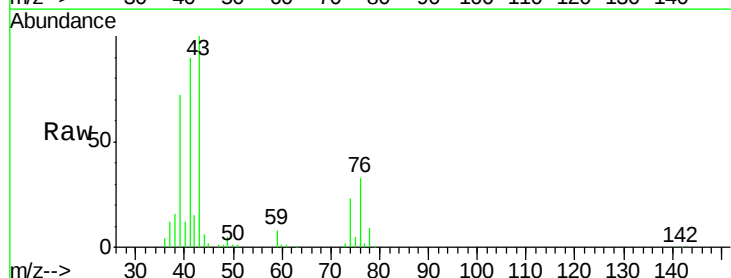
Tgt Ion: 41 Resp: 118681

Ion Ratio Lower Upper

41 100

39 77.0 59.1 88.7

76 31.8 25.1 37.7



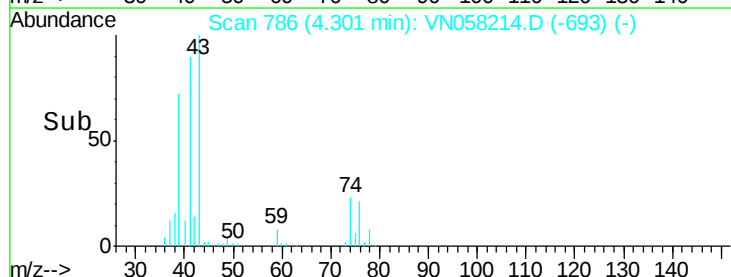
Abundance Ion 41.00 (40.70 to 41.70): VN058214.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN058214.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN058214.D (-693) (-)

4.30

Time-->



Abundance

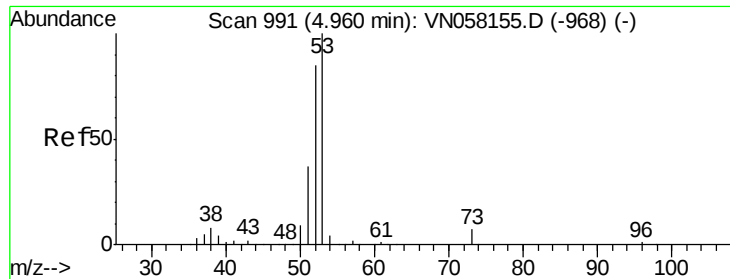
Ion 41.00 (40.70 to 41.70): VN058214.D (-693) (-)

Ion 39.00 (38.70 to 39.70): VN058214.D (-693) (-)

Ion 75.90 (75.60 to 76.60): VN058214.D (-693) (-)

4.30

Time-->



#15

Acrylonitrile

Concen: 107.330 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

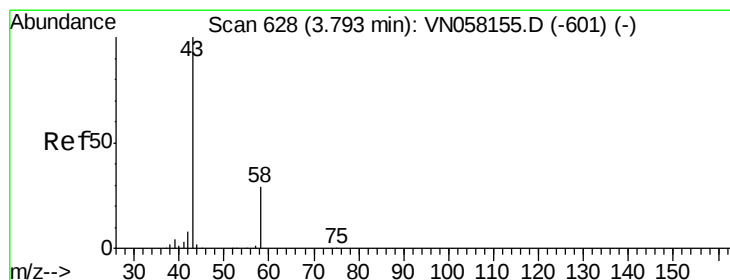
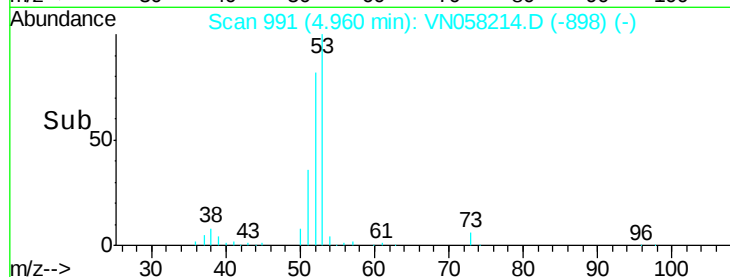
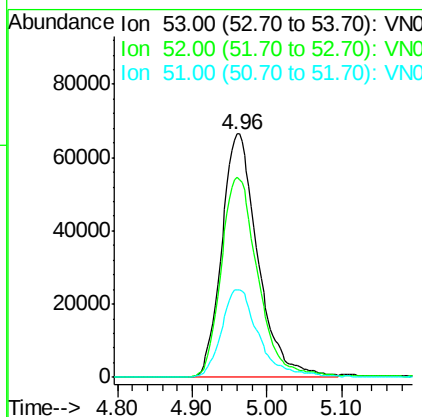
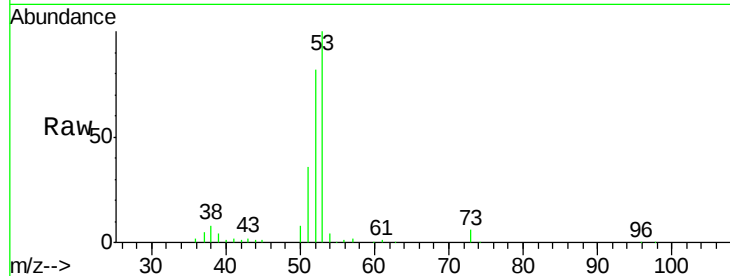
ClientSampleId :

VN0919WBS02

Tot Ion:	53	Resp:	222761
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.6	100.0
51	36.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 82.779 ug/l

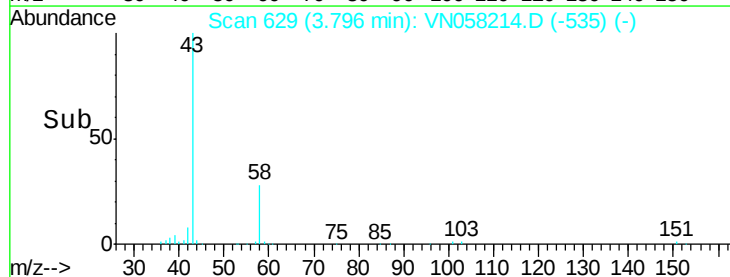
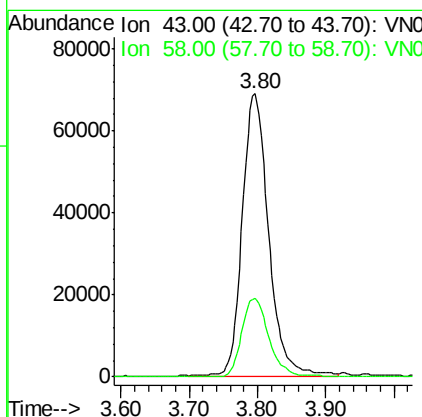
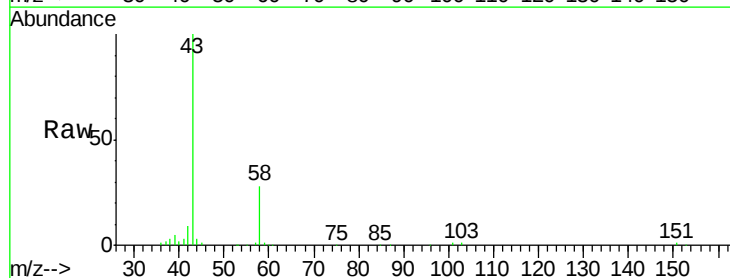
RT: 3.80 min Scan# 629

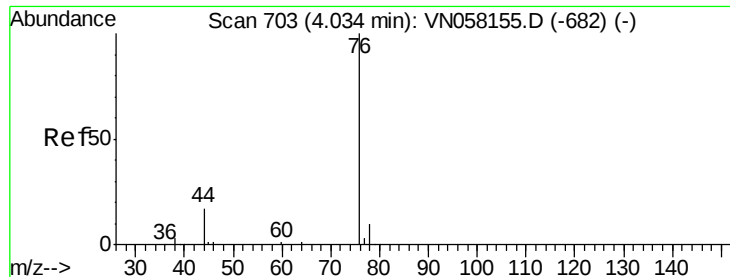
Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Tgt Ion:	43	Resp:	184013
Ion	Ratio	Lower	Upper
43	100		
58	27.8	23.4	35.2





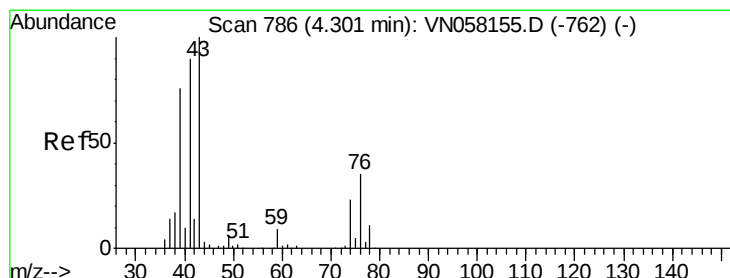
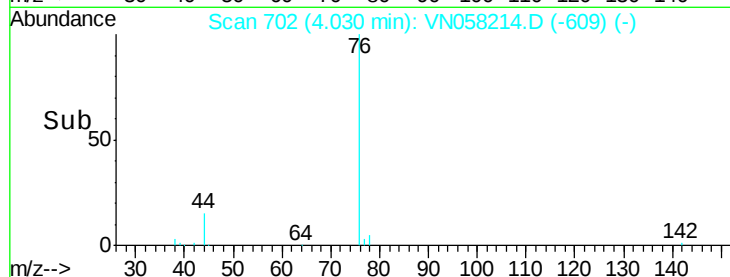
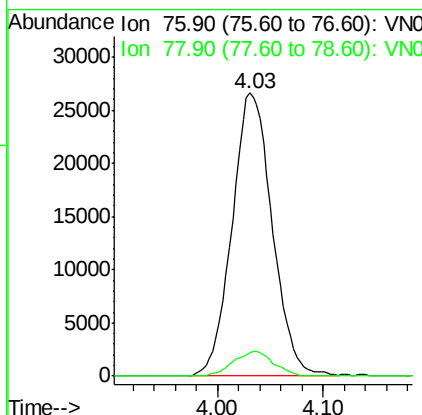
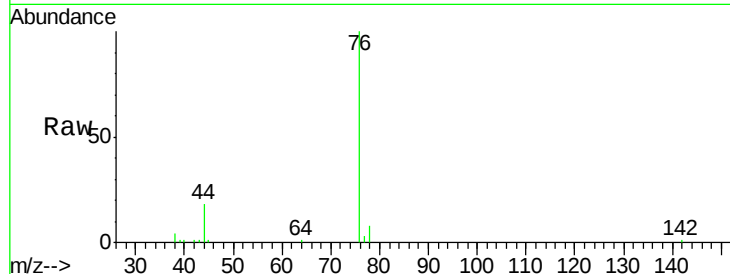
#17
Carbon Disulfide
Concen: 17.490 ug/l
RT: 4.03 min Scan# 702
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion: 76 Resp: 70298
Ion Ratio Lower Upper
76 100
78 8.1 7.7 11.5

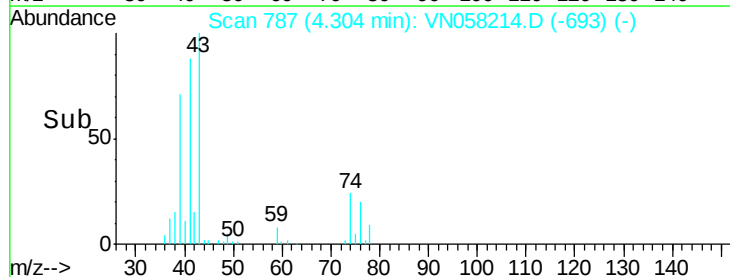
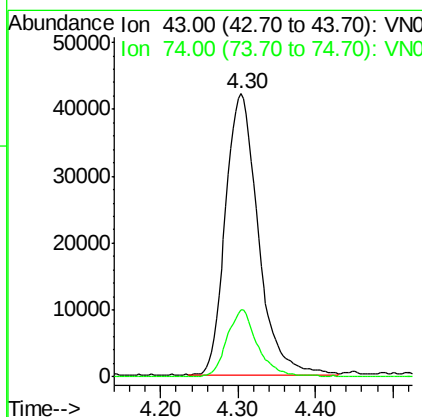
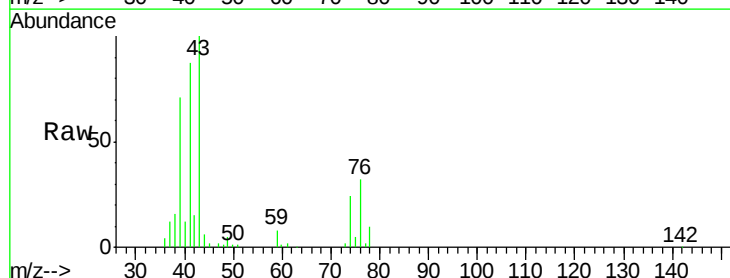
Manual Integrations
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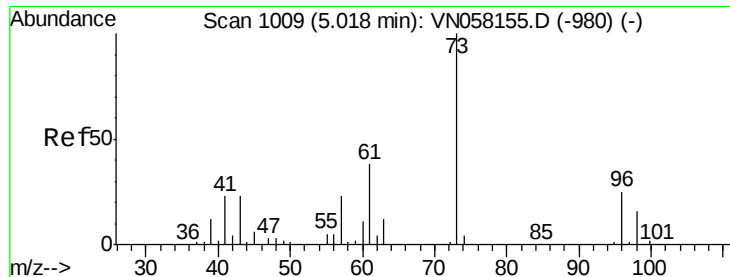
MMDadoda
9/20/2019 3:37:45 PM



#18
Methyl Acetate
Concen: 21.084 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 43 Resp: 123329
Ion Ratio Lower Upper
43 100
74 22.3 18.0 27.0





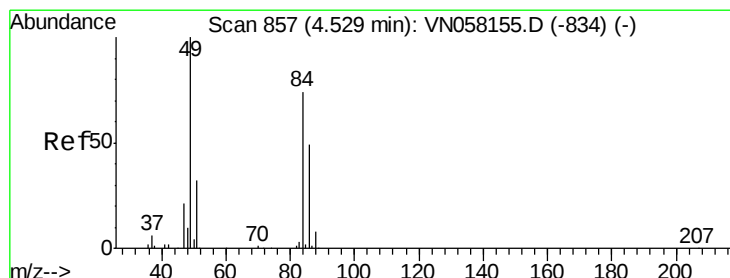
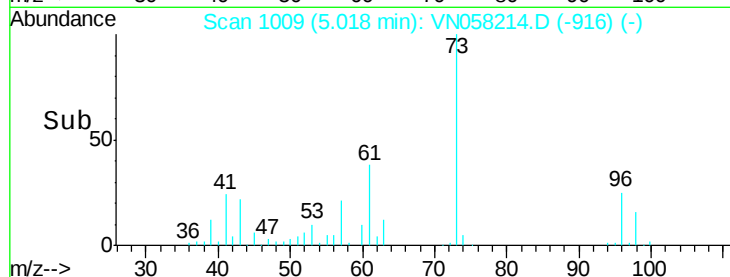
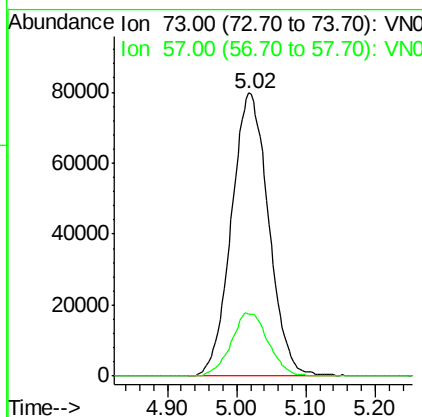
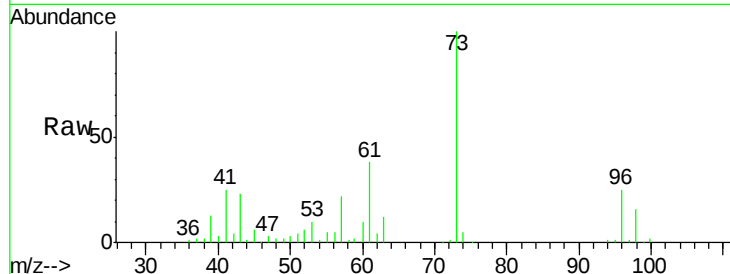
#19
Methvl tert-butvl Ether
Concen: 20.779 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion: 73 Resp: 297899
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

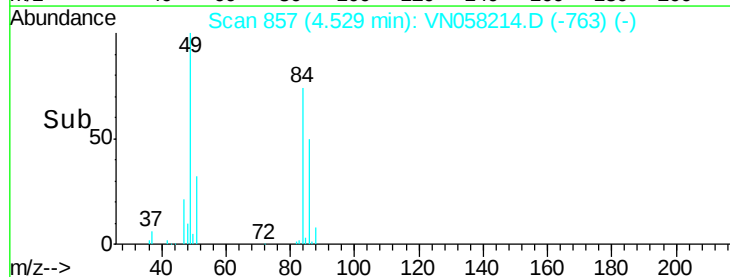
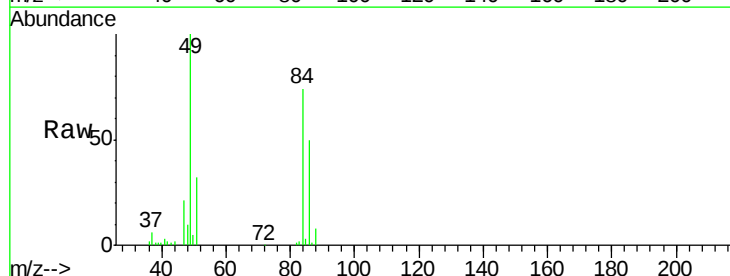
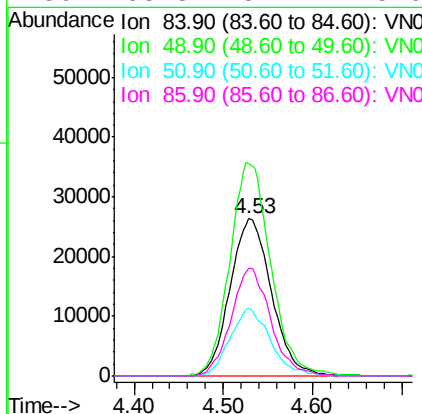
Manual Integrations
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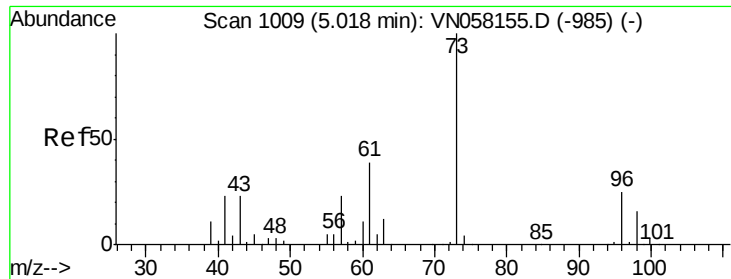
MMDadoda
9/20/2019 3:37:45 PM



#20
Methylene Chloride
Concen: 21.725 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 84 Resp: 85038
Ion Ratio Lower Upper
84 100
49 135.8 107.5 161.3
51 42.9 33.9 50.9
86 68.3 52.4 78.6





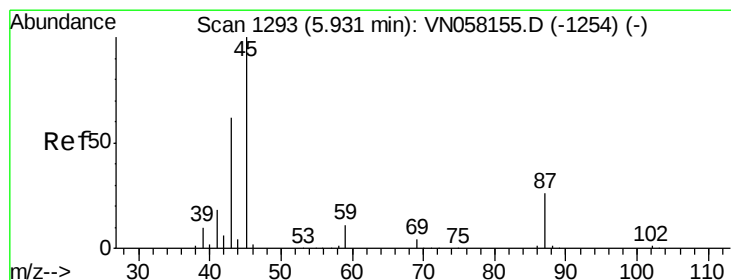
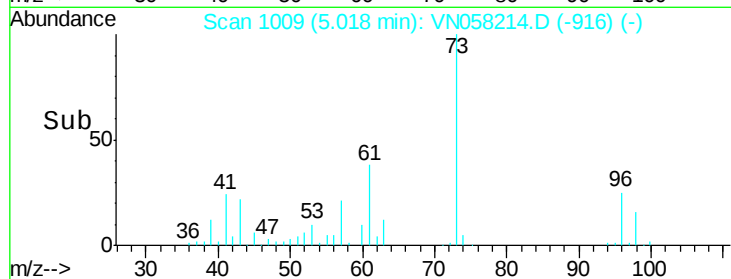
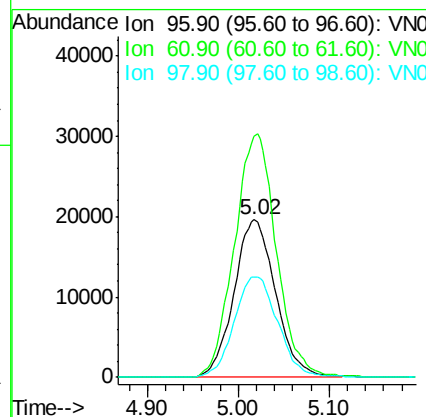
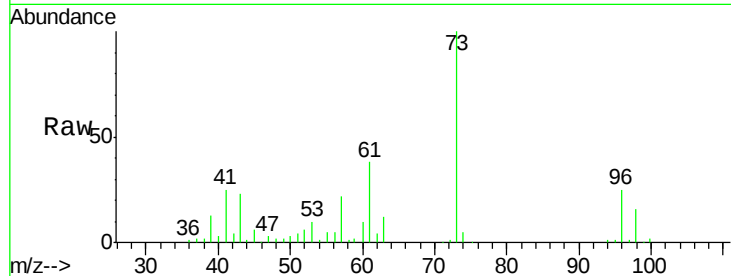
#21
trans-1,2-Dichloroethene
Concen: 19.612 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	153.1	122.2	183.4
98	63.9	49.9	74.9

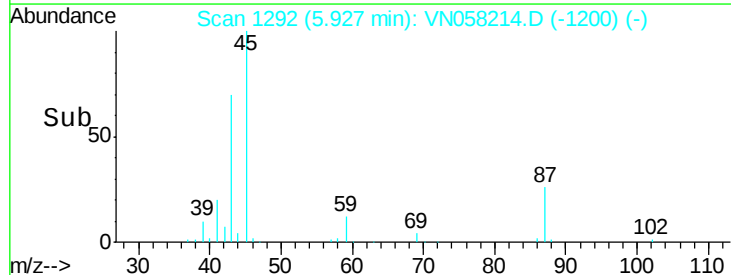
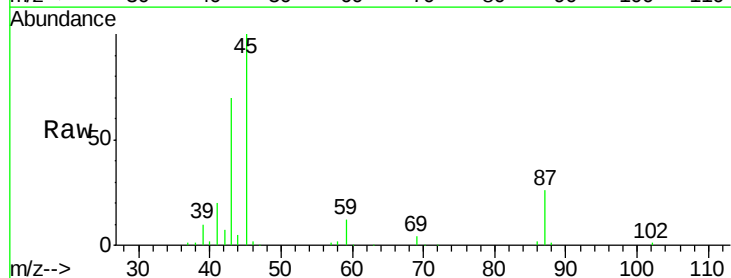
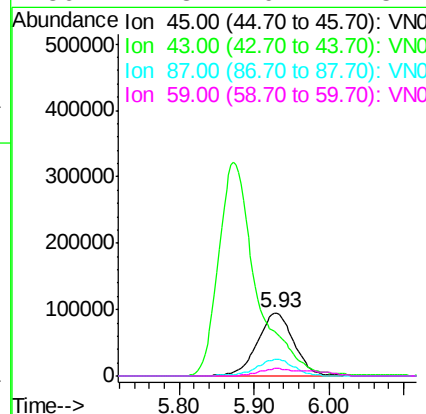
Manual Integrations
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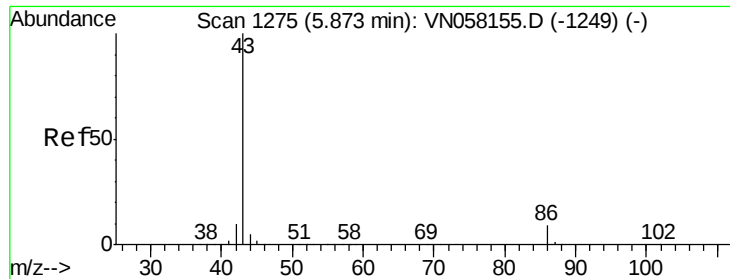
MMDadoda
9/20/2019 3:37:45 PM



#22
Diisopropyl ether
Concen: 20.402 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.8	49.7	74.5
87	25.4	20.7	31.1
59	11.3	9.1	13.7





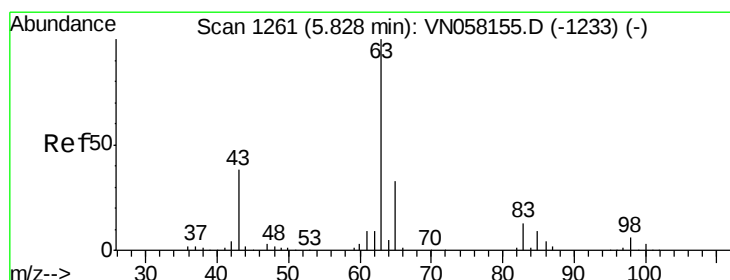
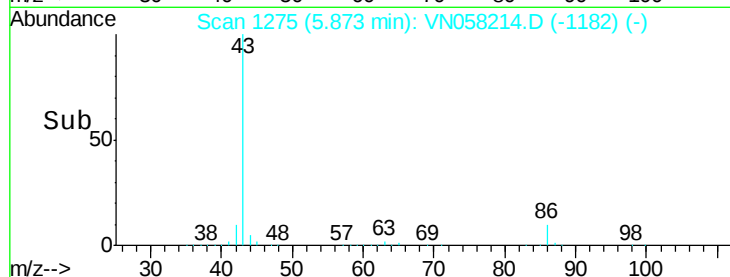
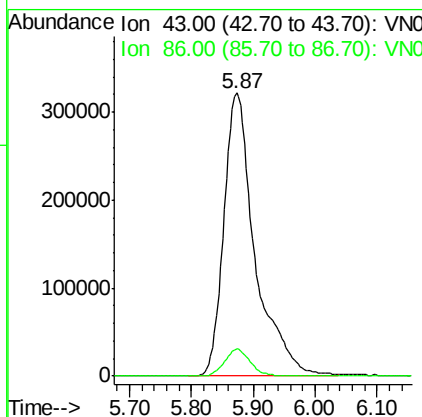
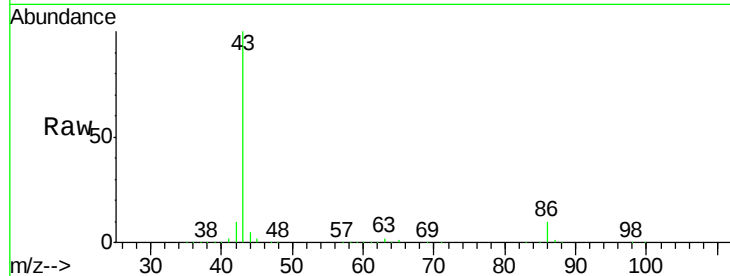
#23
 Vinyl Acetate
 Concen: 104.385 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion: 43 Resp: 1128530
 Ion Ratio Lower Upper
 43 100
 86 9.8 7.4 11.2

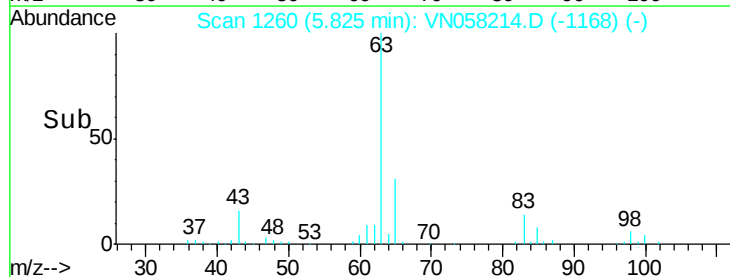
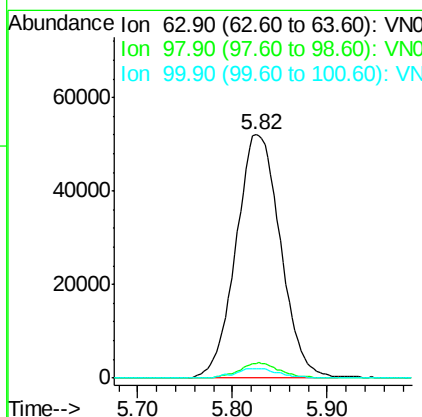
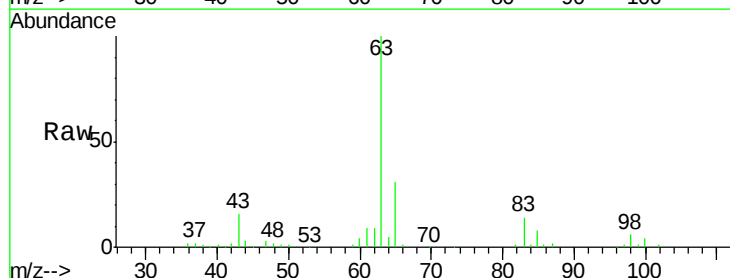
Manual Integrations
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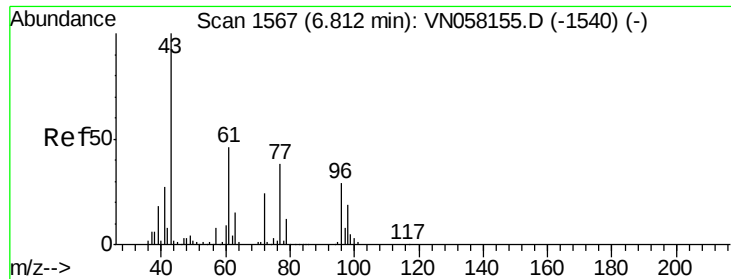
MMDadoda
 9/20/2019 3:37:45 PM



#24
 1,1-Dichloroethane
 Concen: 20.123 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 63 Resp: 169688
 Ion Ratio Lower Upper
 63 100
 98 6.1 2.9 8.6
 100 3.7 1.8 5.3





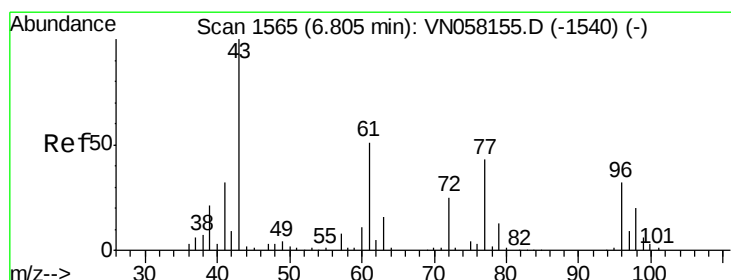
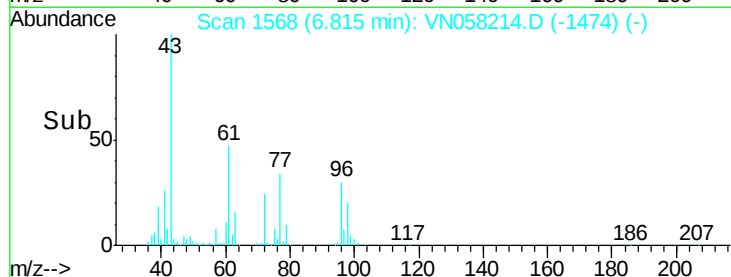
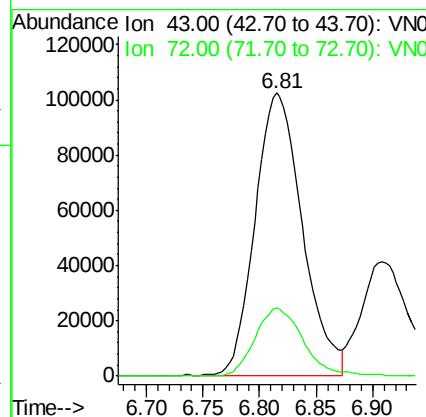
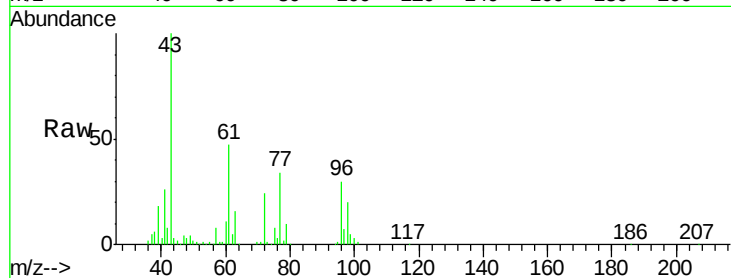
#25
2-Butanone
Concen: 97.762 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion: 43 Resp: 296071
Ion Ratio Lower Upper
43 100
72 24.4 19.5 29.3

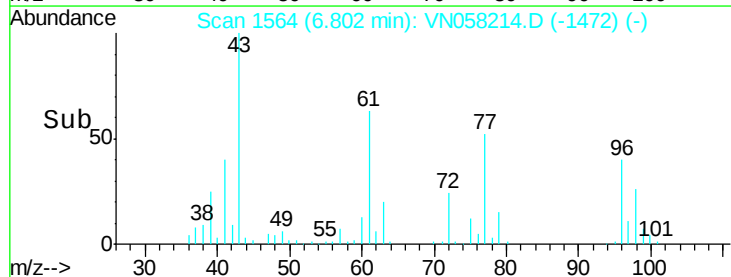
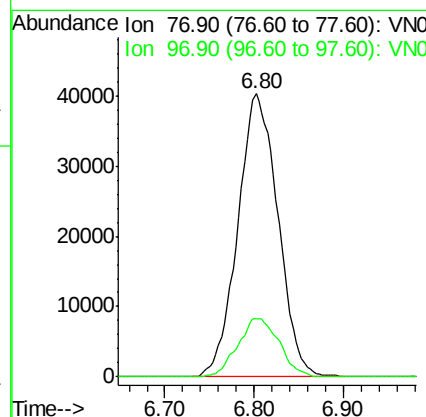
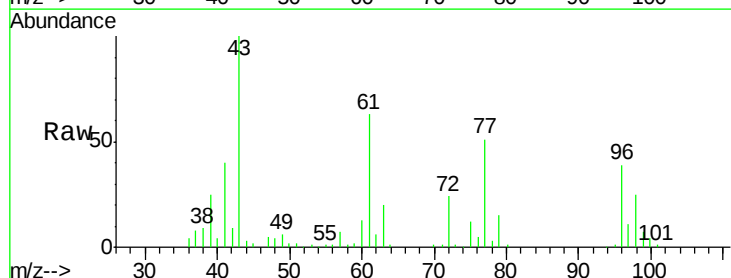
Manual Integrations
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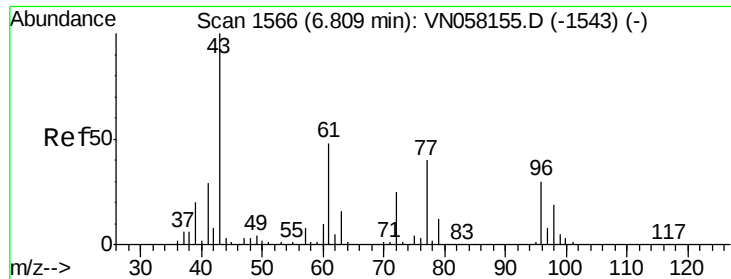
MMDadoda
9/20/2019 3:37:45 PM



#26
2,2-Dichloropropane
Concen: 17.532 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 77 Resp: 125426
Ion Ratio Lower Upper
77 100
97 21.3 10.5 31.6





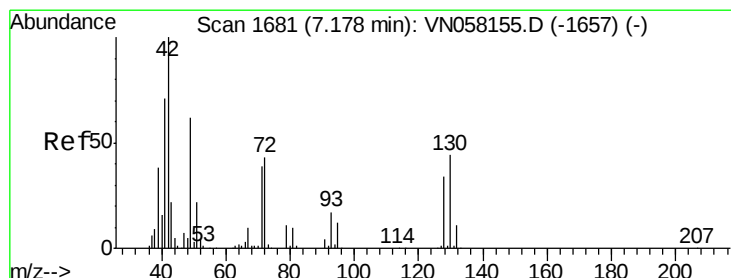
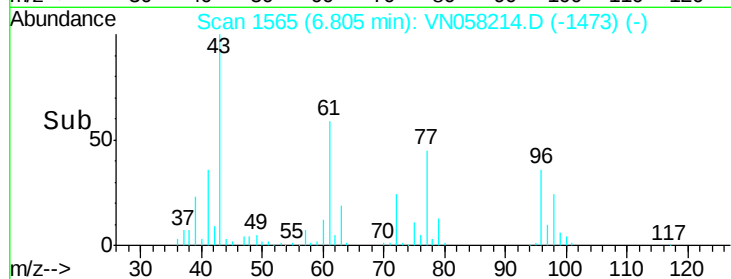
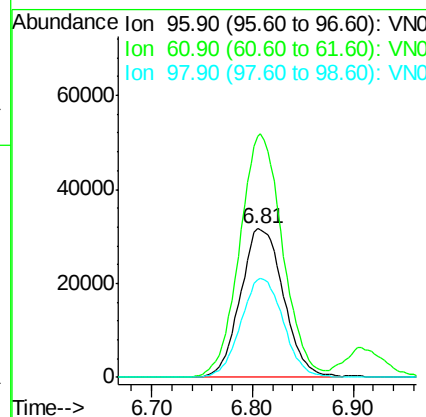
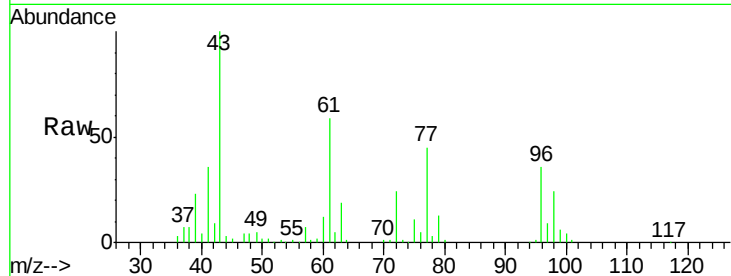
#27
 cis-1,2-Dichloroethene
 Concen: 19.727 ug/l
 RT: 6.81 min Scan# 1565
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	162.3	0.0	319.0	
98	65.3	0.0	126.6	

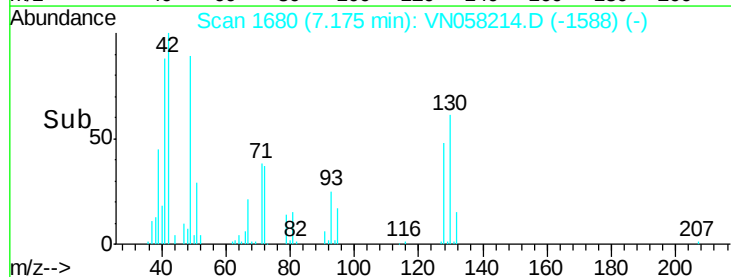
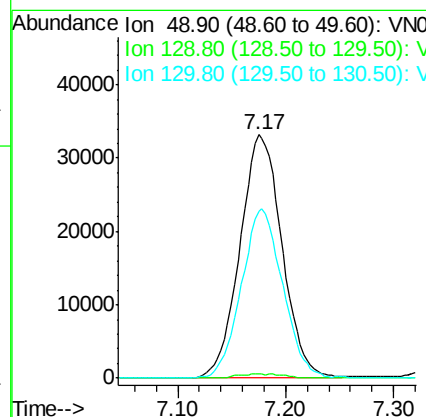
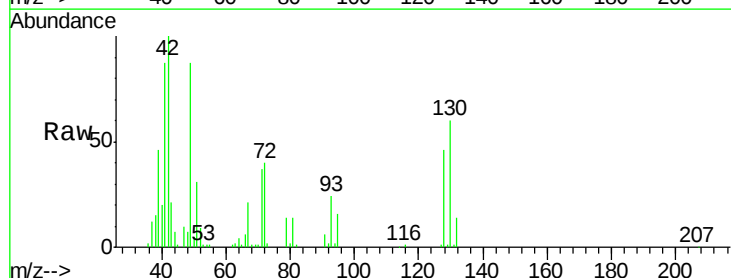
Manual Integrations
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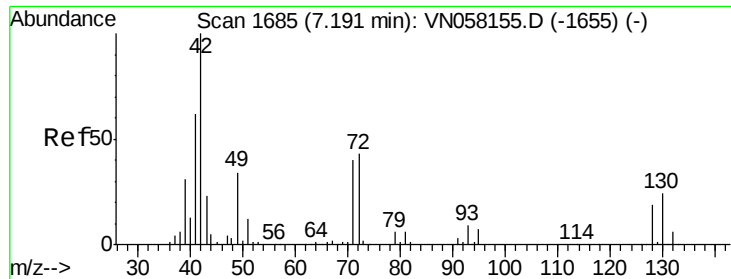
MMDadoda
 9/20/2019 3:37:45 PM



#28
 Bromochloromethane
 Concen: 22.527 ug/l
 RT: 7.17 min Scan# 1680
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.0	0.0	1.8	
130	68.3	55.4	83.2	





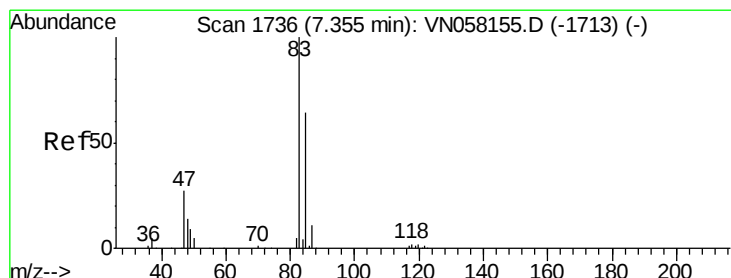
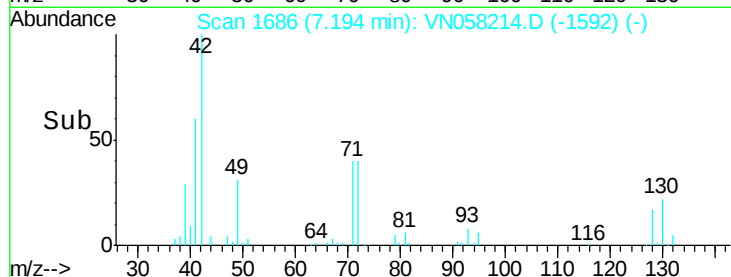
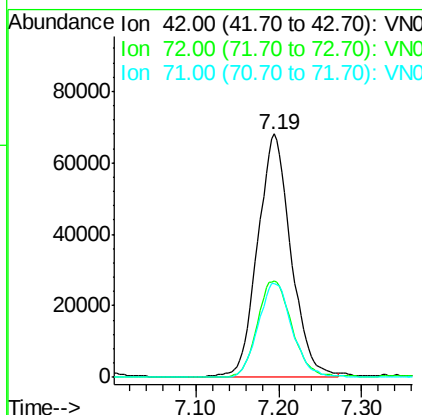
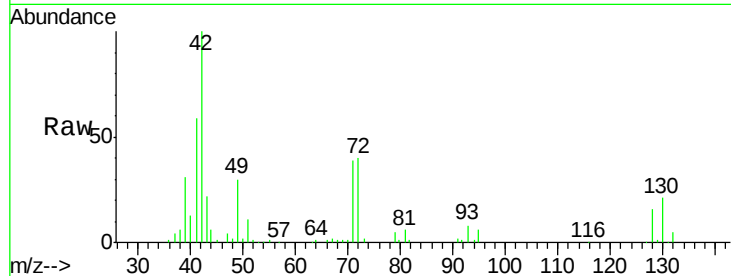
#29
Tetrahydrofuran
Concen: 101.635 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	189597		
72	41.4		33.8	50.6
71	39.9		31.4	47.0

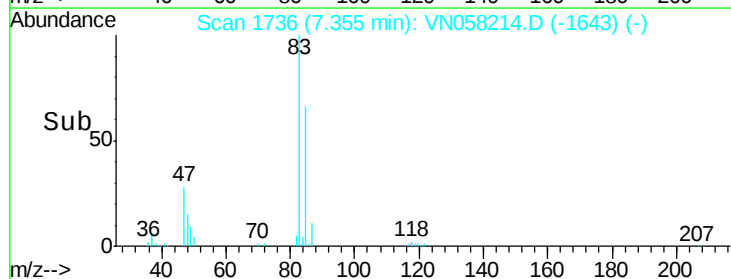
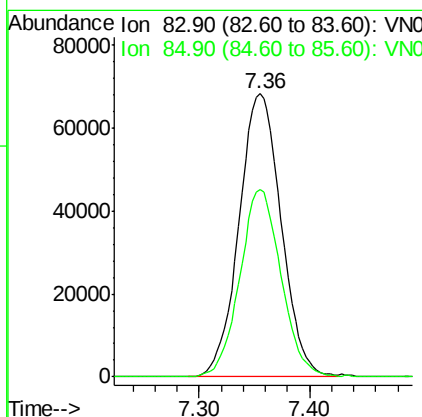
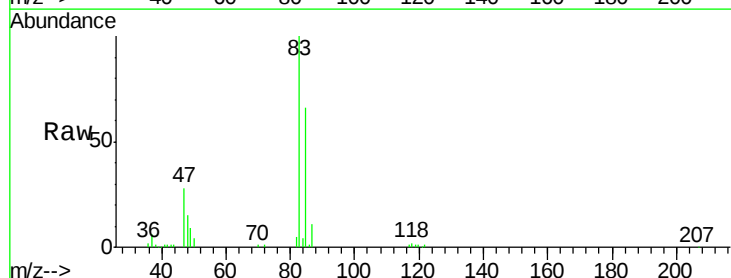
Manual Integrations
APPROVED

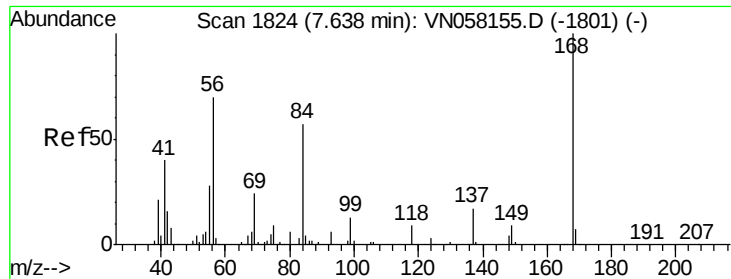
MMDadoda
9/20/2019 3:37:45 PM



#30
Chloroform
Concen: 19.931 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	180917		
85	66.1		51.4	77.2





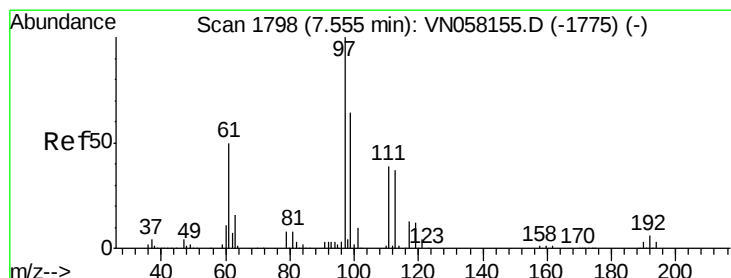
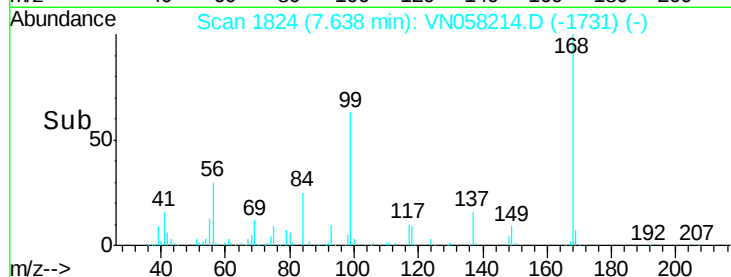
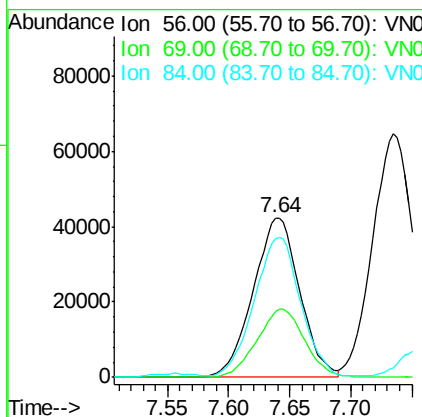
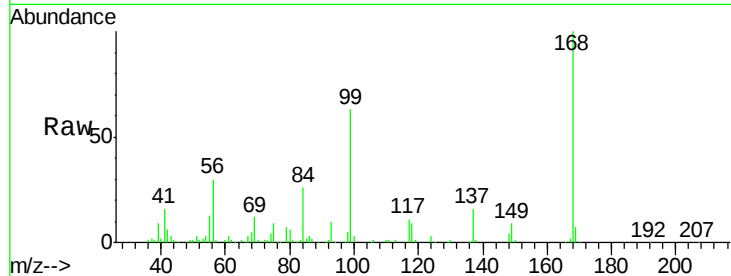
#31
Cyclohexane
Concen: 19.116 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	27.3	40.9#
84	85.1	65.0	97.4

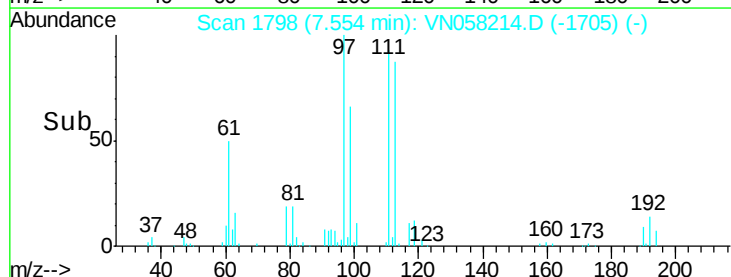
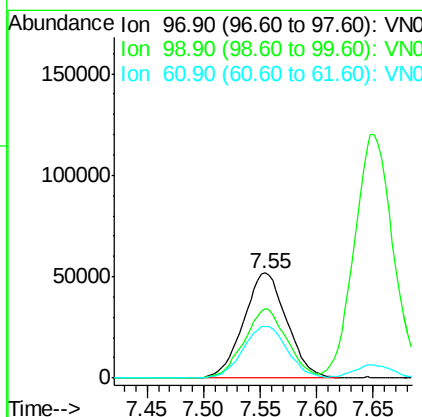
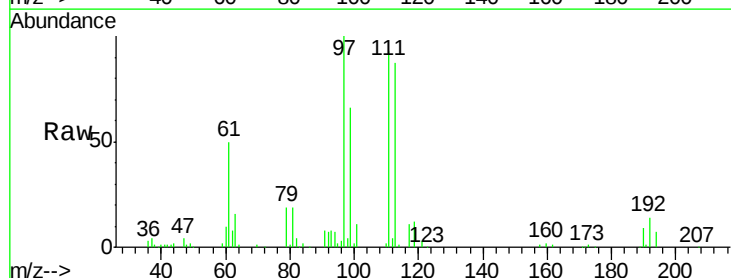
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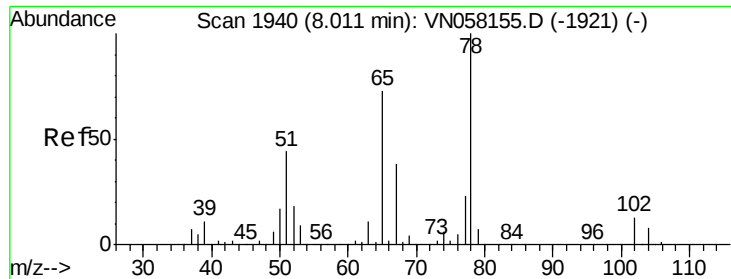
MMDadoda
9/20/2019 3:37:45 PM



#32
1,1,1-Trichloroethane
Concen: 19.943 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	50.9	76.3
61	50.3	39.2	58.8





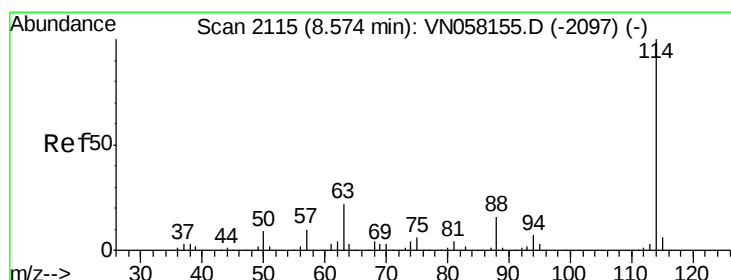
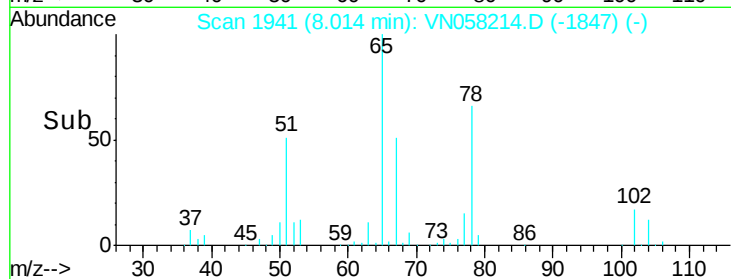
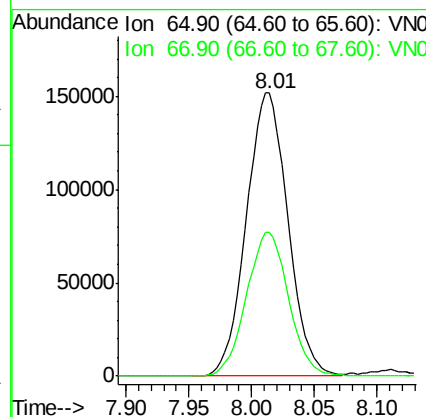
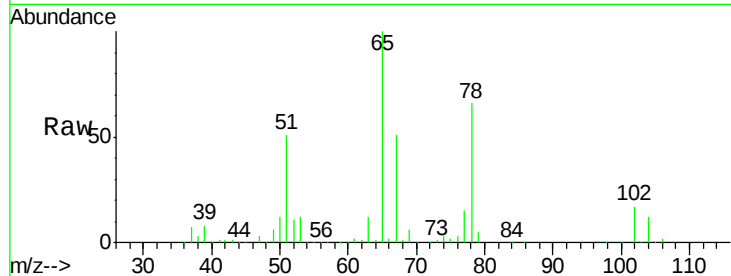
#33
 1,2-Dichloroethane-d4
 Concen: 53.487 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	350278		
67	51.5	0.0	103.4	

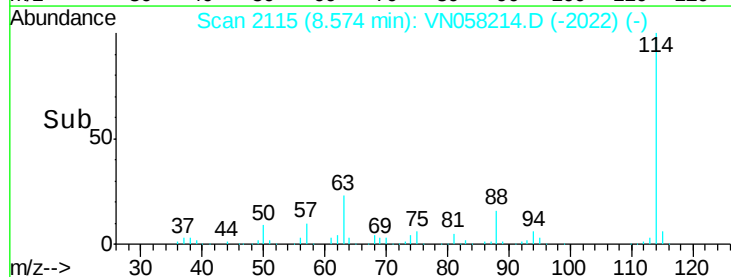
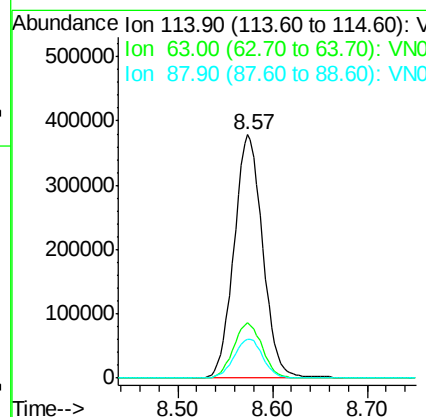
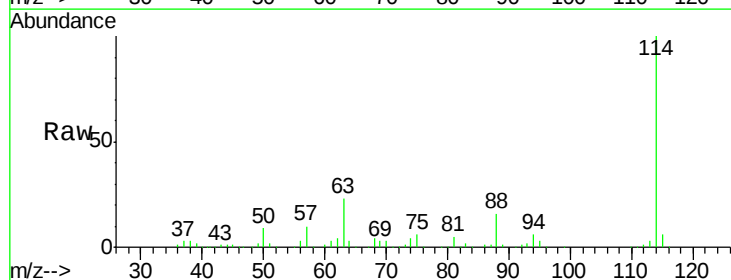
Manual Integrations
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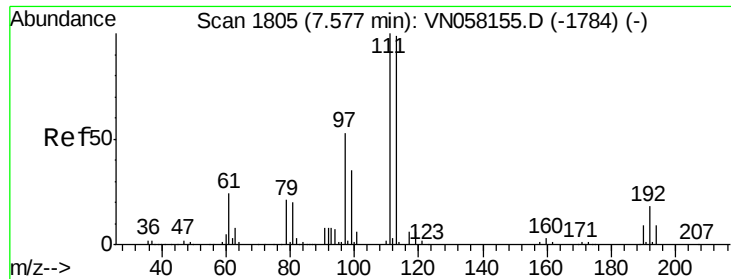
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	796251		
63	22.5	0.0	44.2	
88	16.1	0.0	31.6	





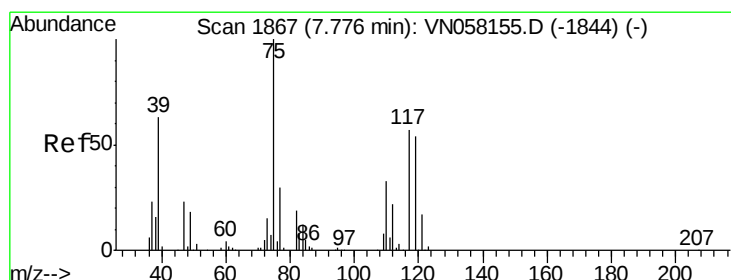
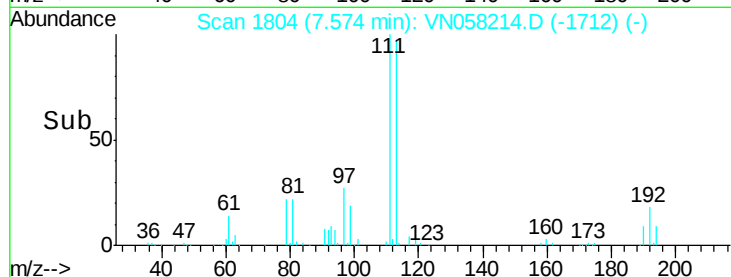
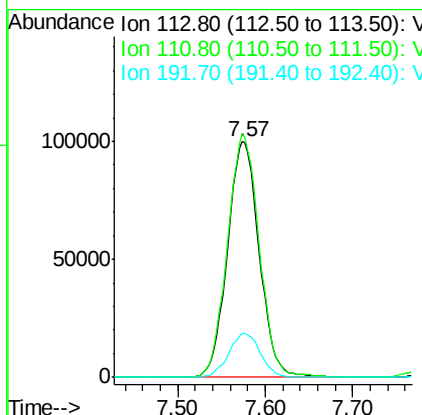
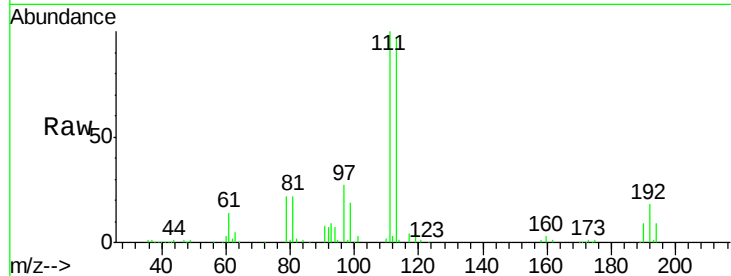
#35
Dibromofluoromethane
Concen: 51.849 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	250980		
111	103.7	81.8	122.6	
192	18.7	14.5	21.7	

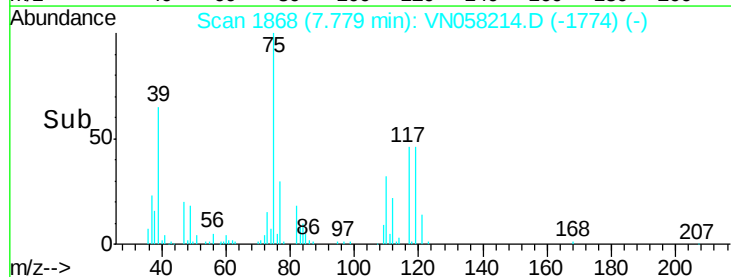
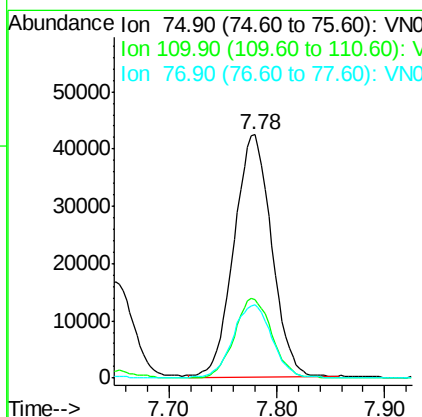
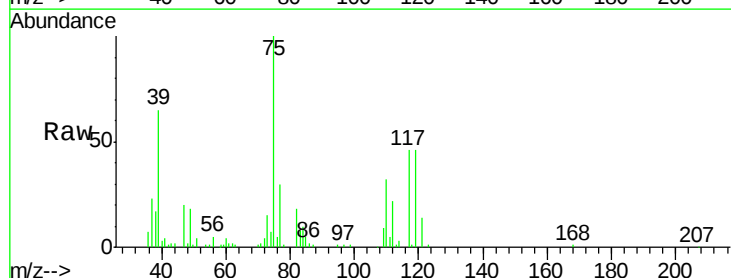
Manual Integrations
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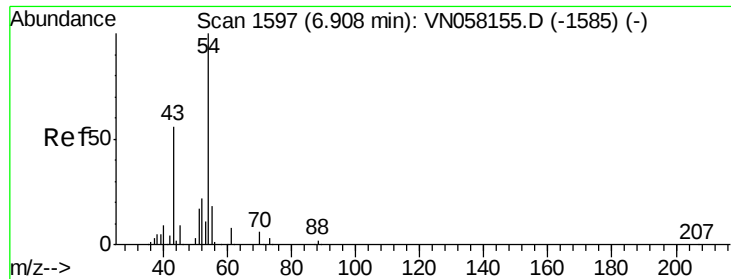
MMDadoda
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#36
1,1-Dichloropropene
Concen: 17.919 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	102893		
110	32.7	16.6	49.7	
77	31.6	24.3	36.5	





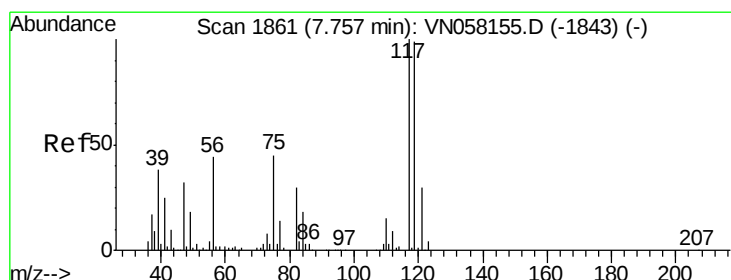
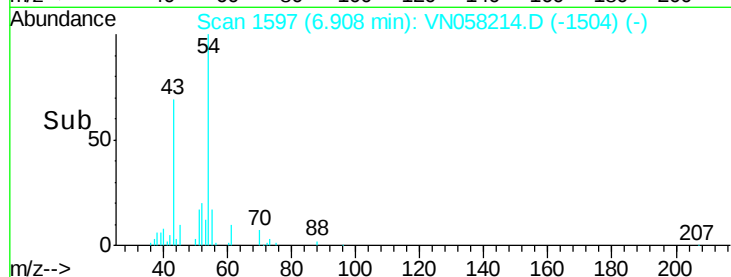
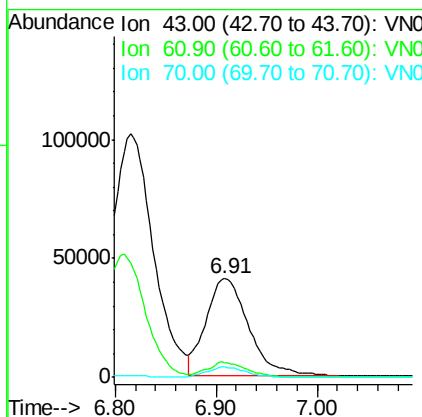
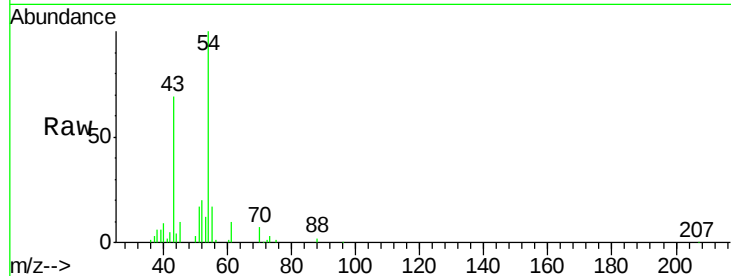
#37
Ethyl Acetate
Concen: 20.289 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.7	16.1
70	9.8	7.6	11.4

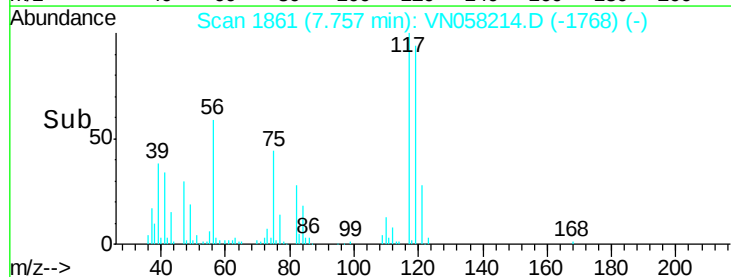
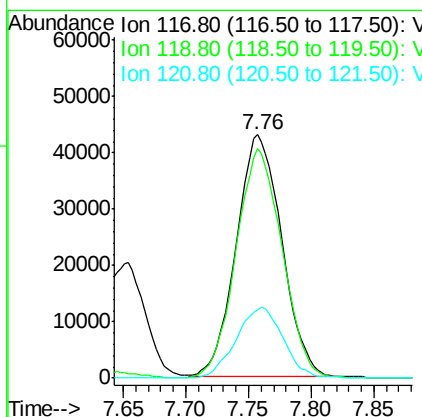
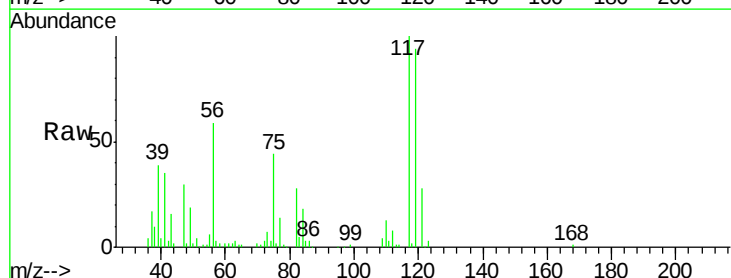
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 18.774 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.4	78.6	117.8
121	28.3	24.1	36.1





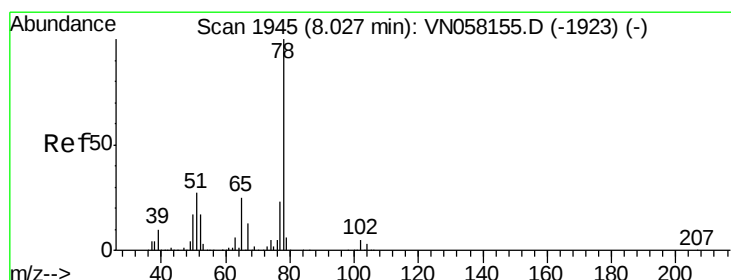
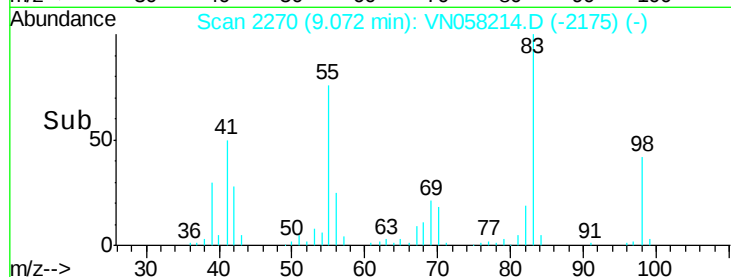
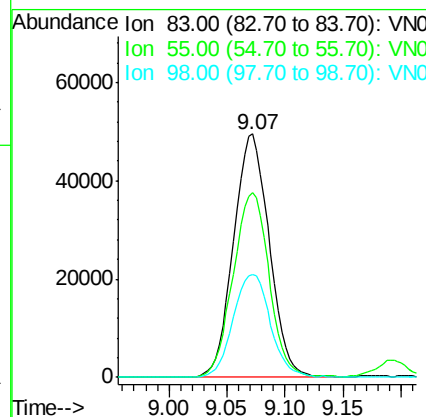
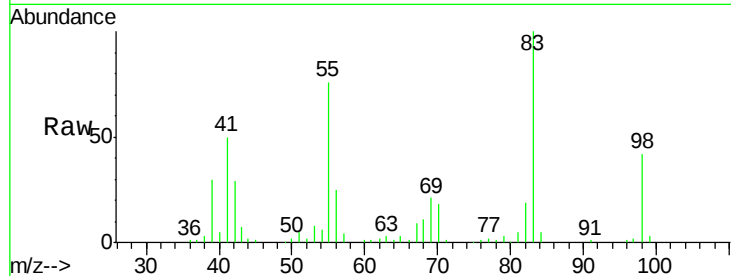
#39
Methvlcvclohexane
Concen: 19.095 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	83	Resp	105770
Ion Ratio	100	Lower	Upper
83	100		
55	75.7	61.9	92.9
98	42.4	35.4	53.2

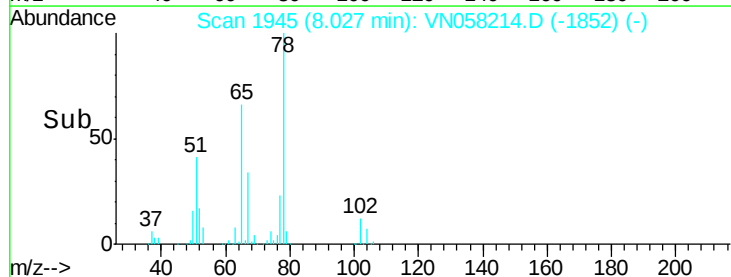
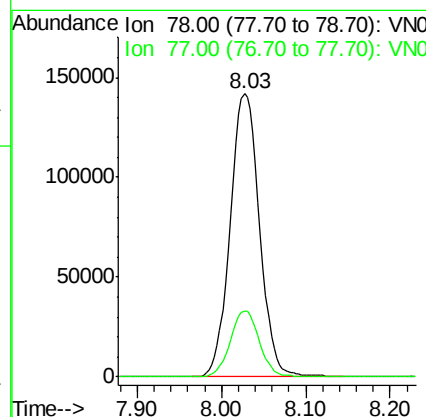
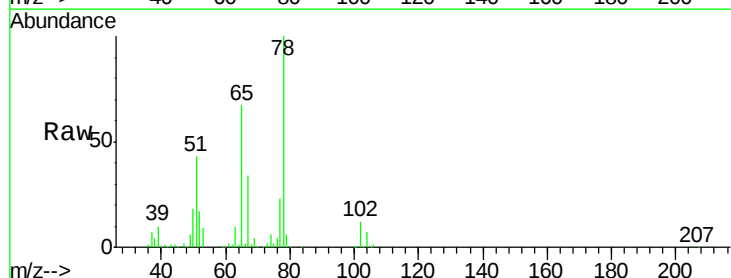
Manual Integrations
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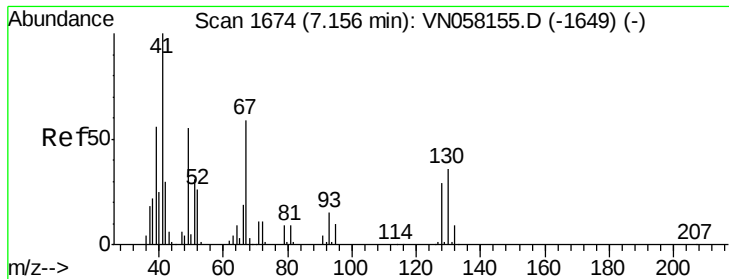
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#40
Benzene
Concen: 19.590 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	78	Resp	343583
Ion Ratio	100	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 19.859 ug/l

RT: 7.15 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 41 Resp: 57939

Ion Ratio Lower Upper

41 100

39 42.9 0.0 0.0#

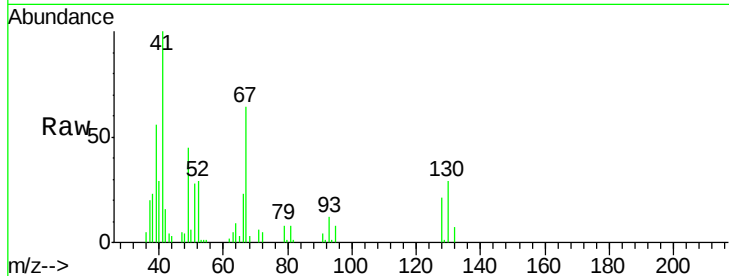
67 89.1 0.0 0.0#

52 39.2 0.0 0.0#

Manual Integrations
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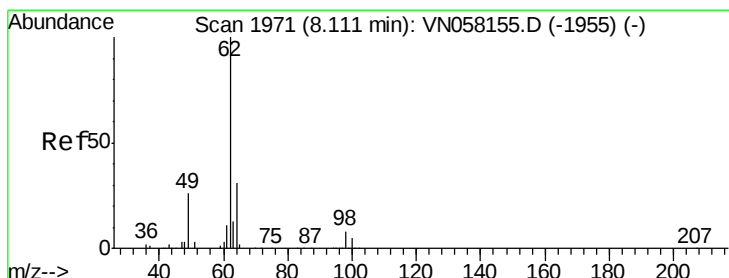
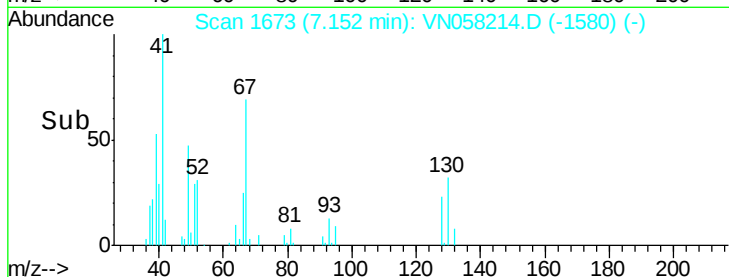
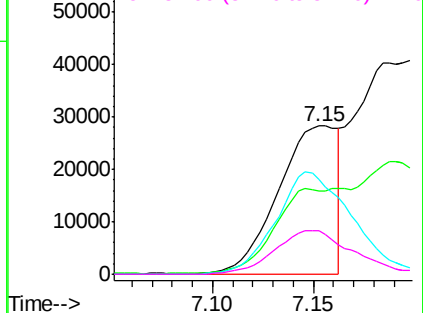


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 19.729 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN058214.D

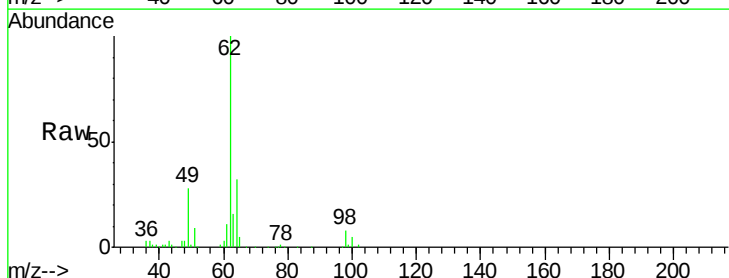
Acq: 19 Sep 2019 19:16

Tgt Ion: 62 Resp: 145190

Ion Ratio Lower Upper

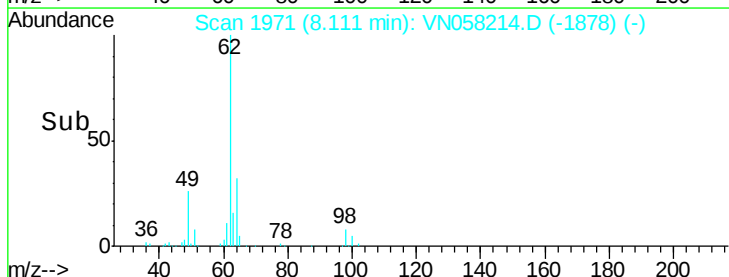
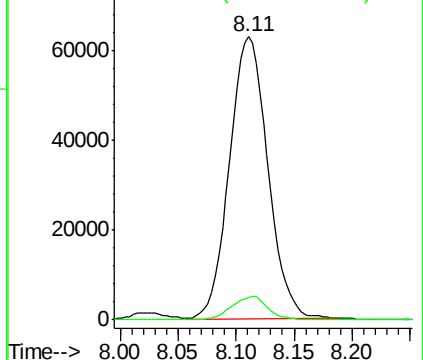
62 100

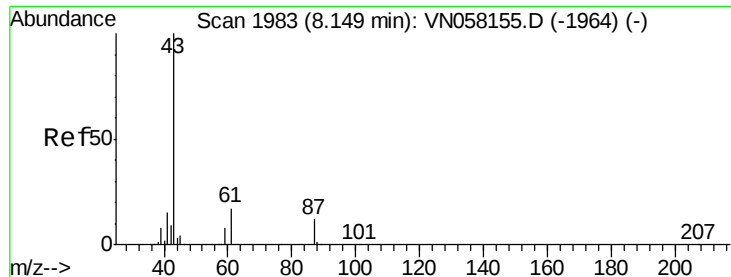
98 7.9 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





#43

Isopropyl Acetate

Concen: 20.515 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

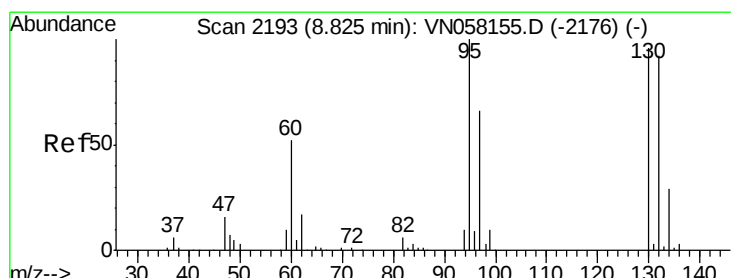
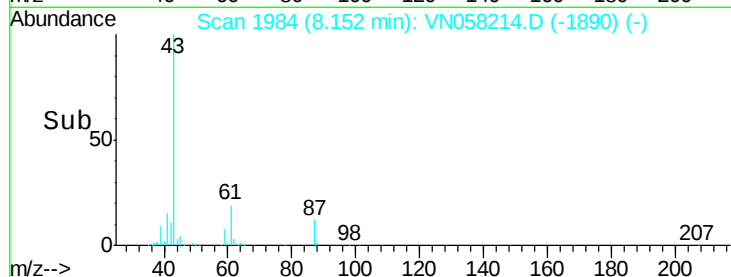
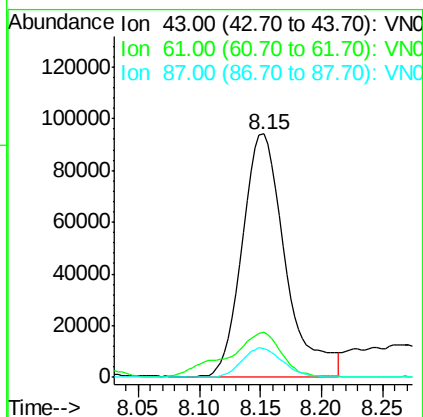
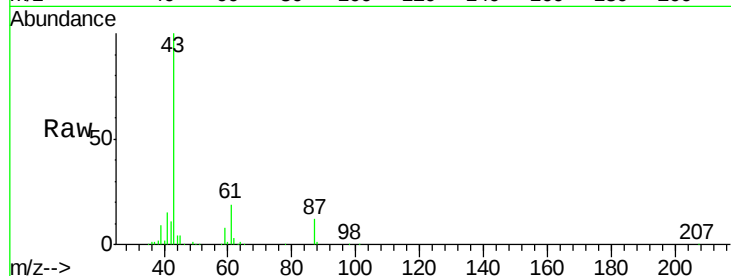
ClientSampleId :

VN0919WBS02

Tot Ion:	43	Resp:	228322
Ion	Ratio	Lower	Upper
43	100		
61	23.1	19.7	29.5
87	11.6	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.446 ug/l

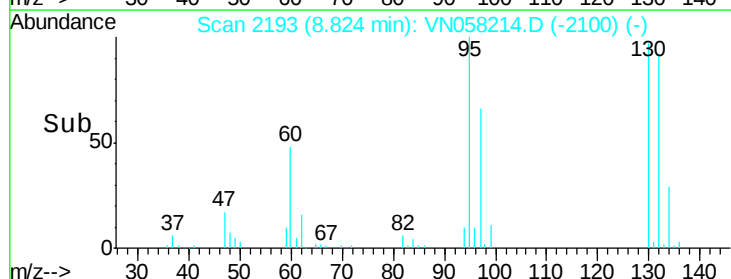
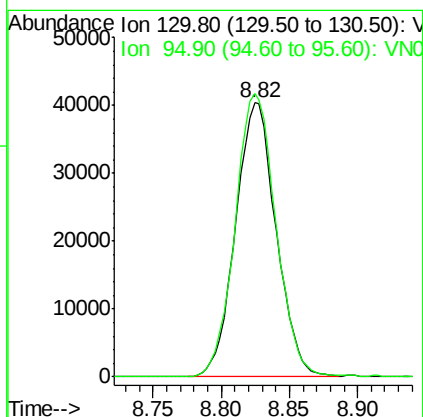
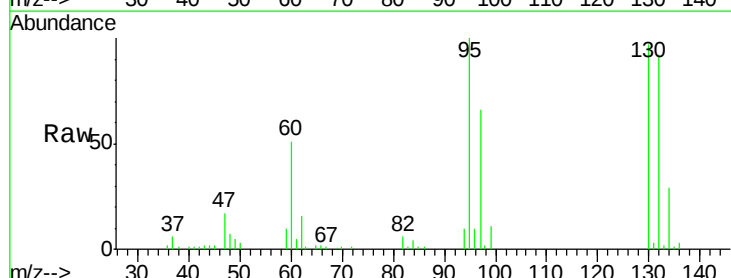
RT: 8.82 min Scan# 2193

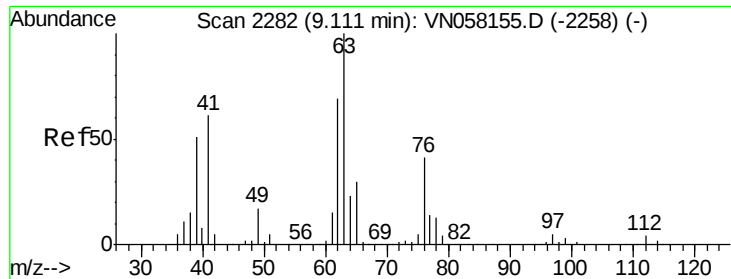
Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Tgt Ion:	130	Resp:	83462
Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	207.8





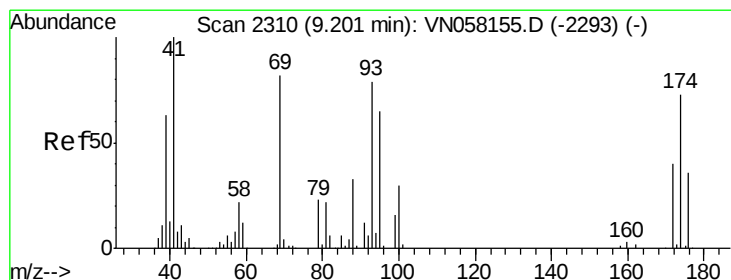
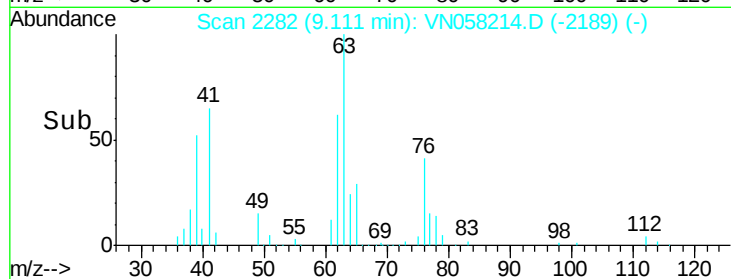
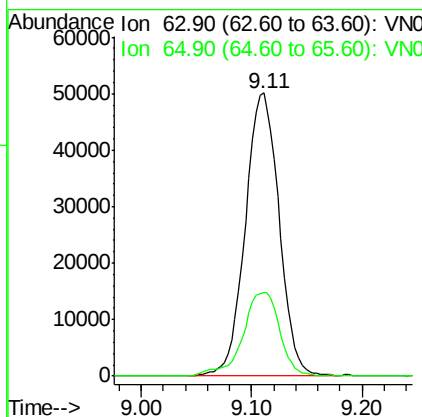
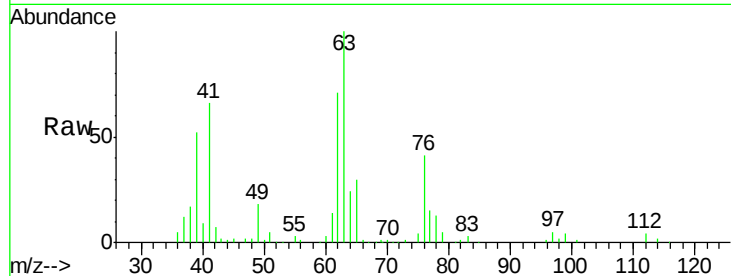
#45
 1,2-Dichloropropane
 Concen: 20.367 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion: 63 Resp: 106675
 Ion Ratio Lower Upper
 63 100
 65 29.5 23.8 35.6

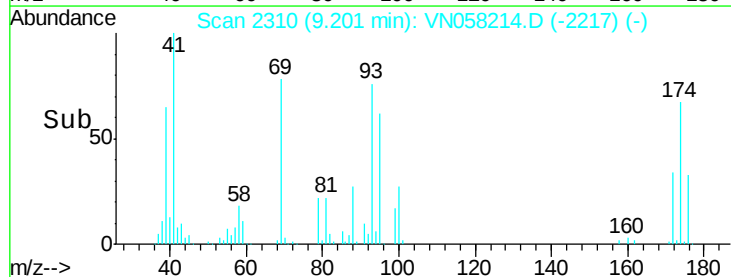
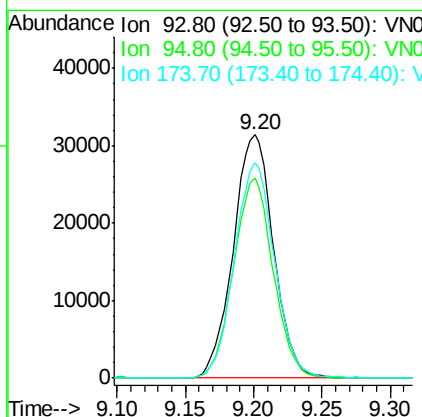
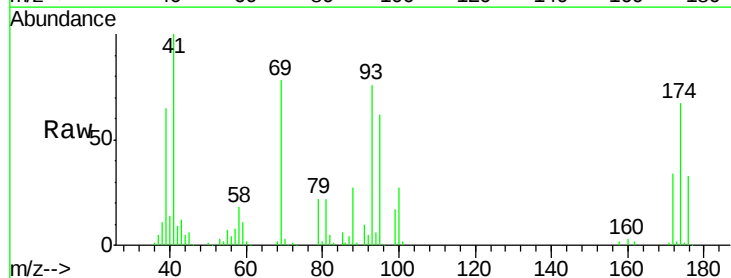
Manual Integrations
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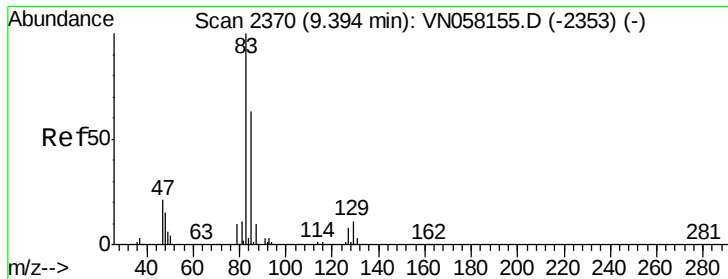
MMDadoda
 9/20/2019 3:37:45 PM



#46
 Dibromomethane
 Concen: 20.232 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion: 93 Resp: 64426
 Ion Ratio Lower Upper
 93 100
 95 80.9 66.8 100.2
 174 88.0 73.8 110.8





#47

Bromodichloromethane

Concen: 19.899 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

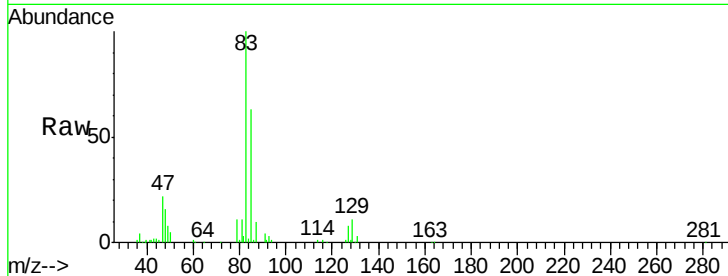
ClientSampleId :

VN0919WBS02

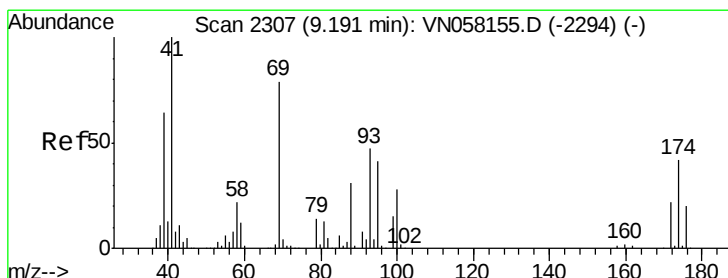
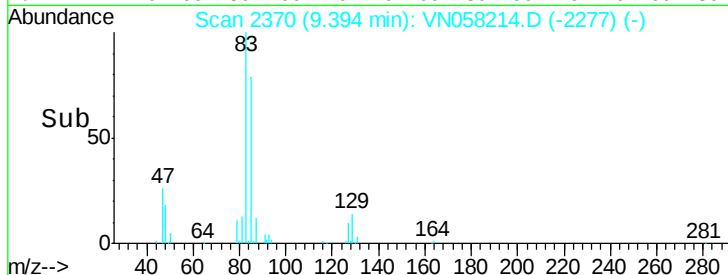
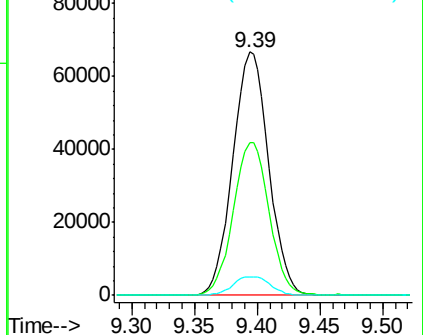
Tot Ion:	83	Resp:	132753
Ion	Ratio	Lower	Upper
83	100		
85	62.8	50.1	75.1
127	7.7	6.4	9.6

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): VNO



#48

Methyl methacrylate

Concen: 20.545 ug/l

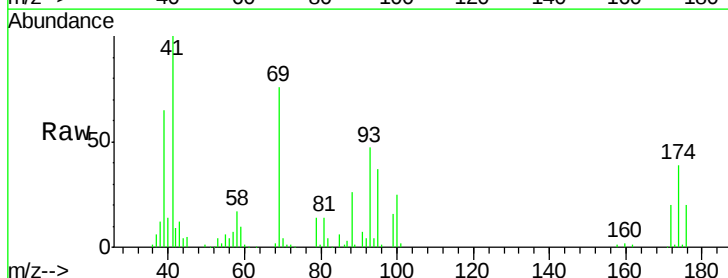
RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

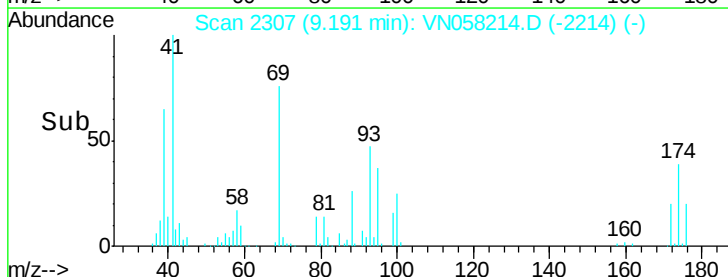
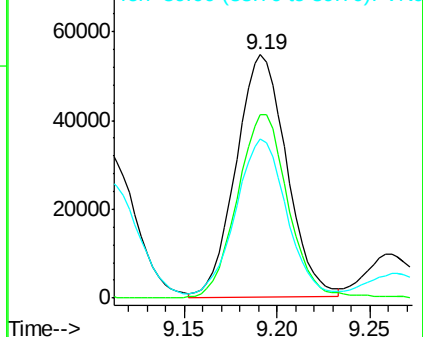
Lab File: VN058214.D

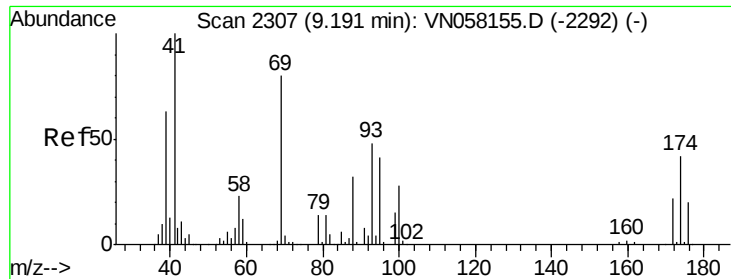
Acq: 19 Sep 2019 19:16

Tgt Ion:	41	Resp:	103818
Ion	Ratio	Lower	Upper
41	100		
69	76.5	62.5	93.7
39	66.4	52.3	78.5



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





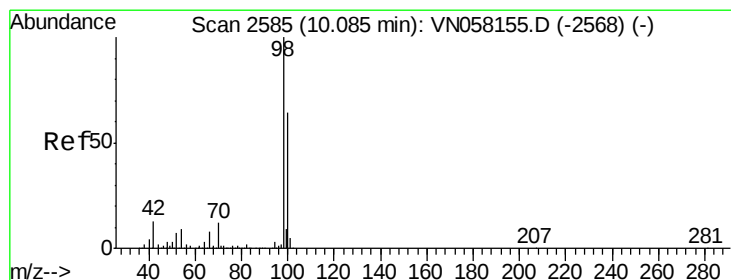
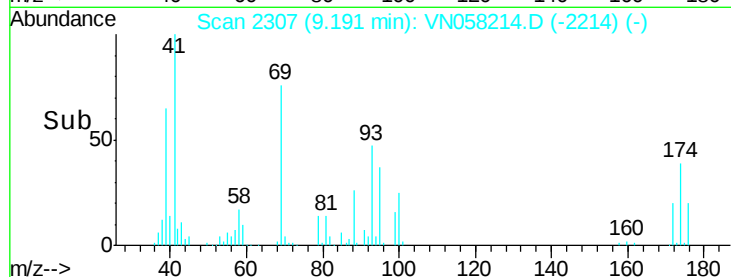
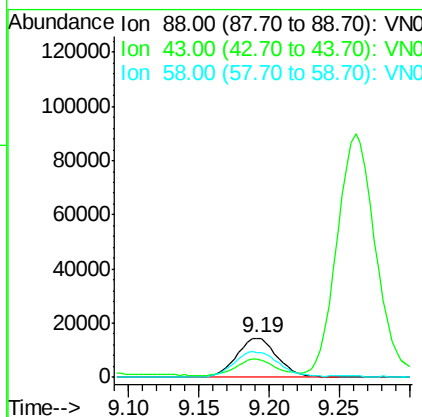
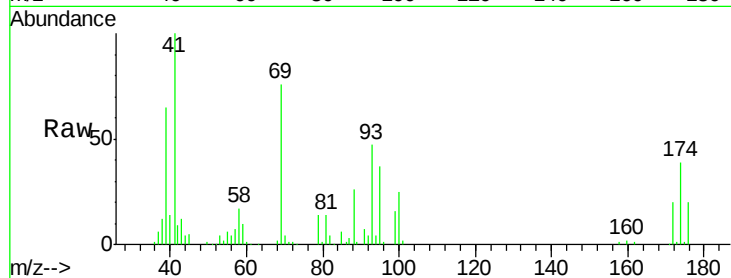
#49
 1,4-Dioxane
 Concen: 356.086 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	88	Resp	29542
Ion	Ratio	Lower	Upper
88	100		
43	39.5	27.8	41.8
58	72.4	55.0	82.4

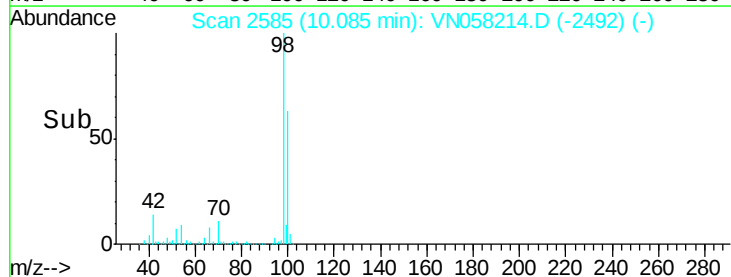
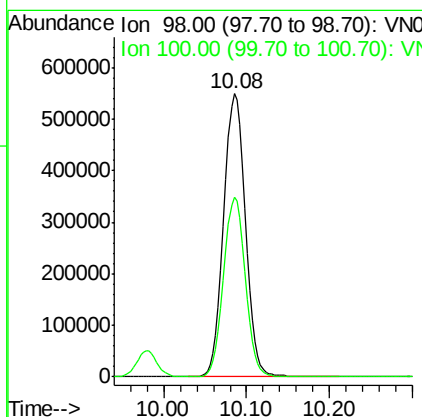
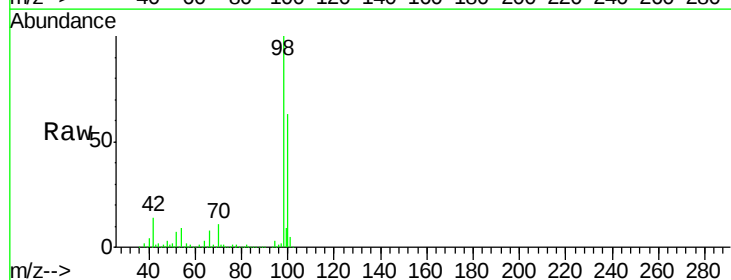
Manual Integrations
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#50
 Toluene-d8
 Concen: 53.243 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	98	Resp	1004149
Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 113.397 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 43 Resp: 670330

Ion Ratio Lower Upper

43 100

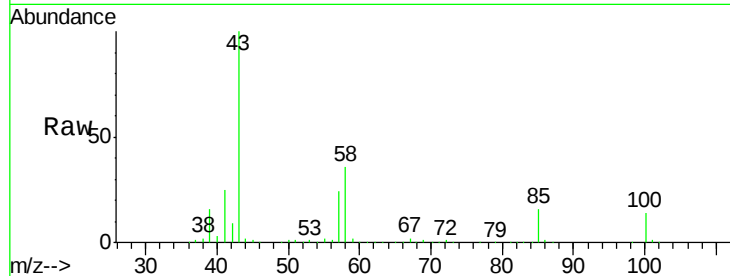
58 36.4 30.2 45.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.98

400000

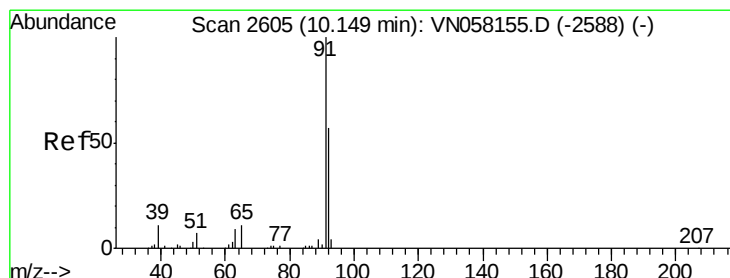
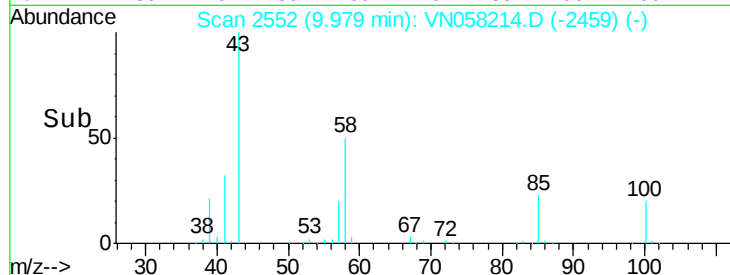
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.444 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058214.D

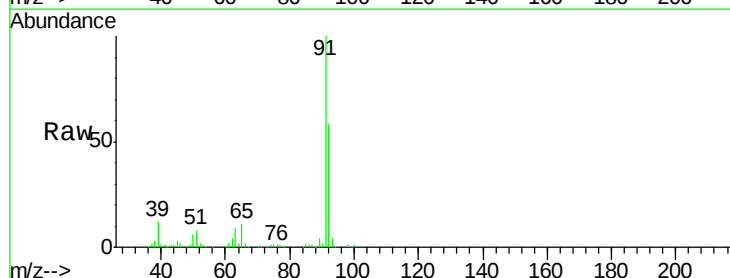
Acq: 19 Sep 2019 19:16

Tgt Ion: 92 Resp: 213718

Ion Ratio Lower Upper

92 100

91 177.1 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

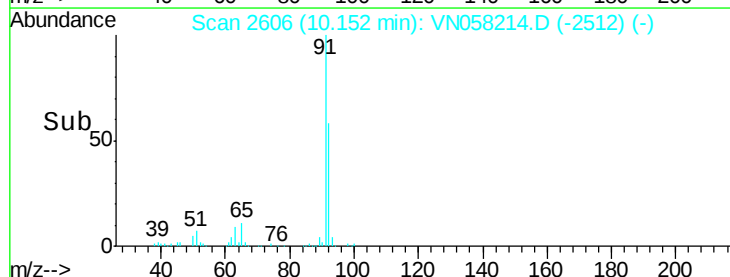
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.120 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 75 Resp: 130658

Ion Ratio Lower Upper

75 100

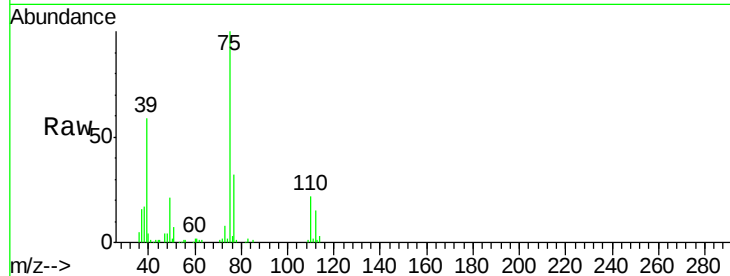
77 31.9 24.9 37.3

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

80000

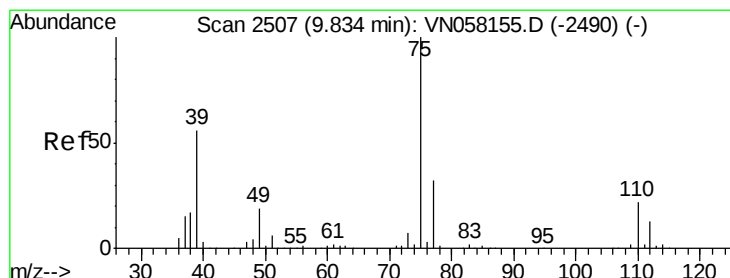
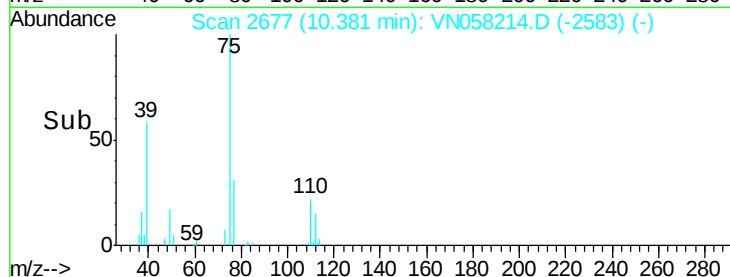
60000

40000

20000

0

Time--> 10.30 10.35 10.40 10.45



#54

cis-1,3-Dichloropropene

Concen: 19.497 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

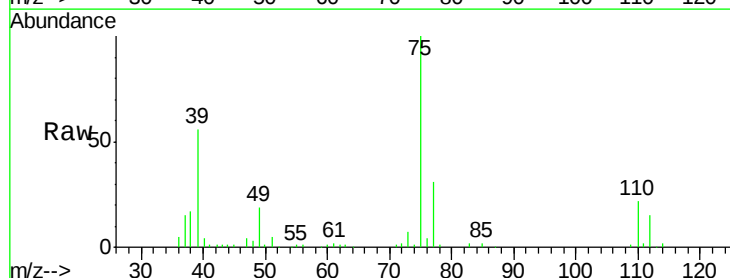
Tgt Ion: 75 Resp: 147102

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.0

39 55.9 45.0 67.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

100000

80000

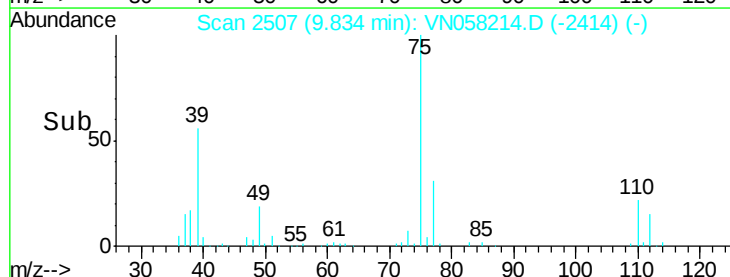
60000

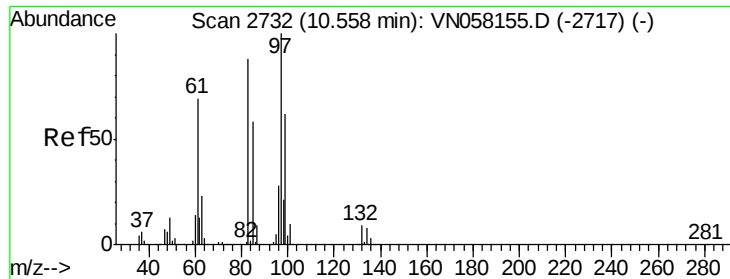
40000

20000

0

Time--> 9.75 9.80 9.85 9.90





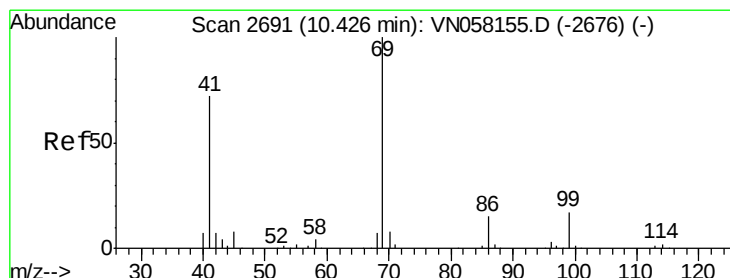
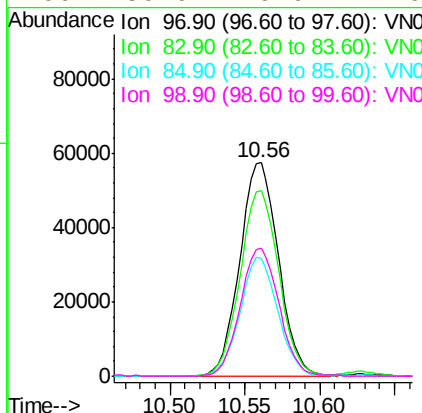
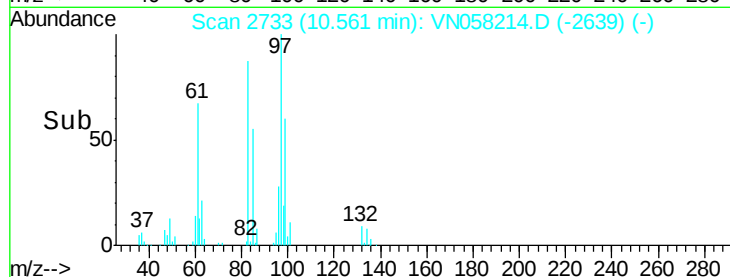
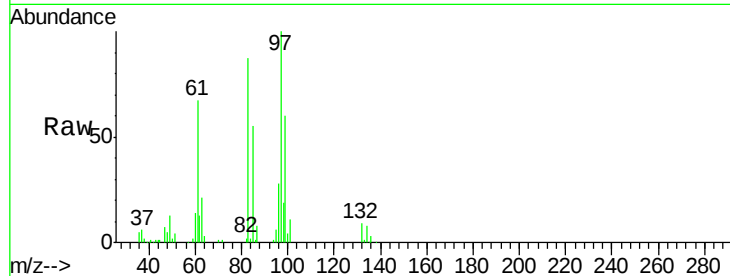
#55
 1,1,2-Trichloroethane
 Concen: 21.183 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		103324		
83	87.0	70.4	105.6		
85	55.4	46.8	70.2		
99	59.9	49.9	74.9		

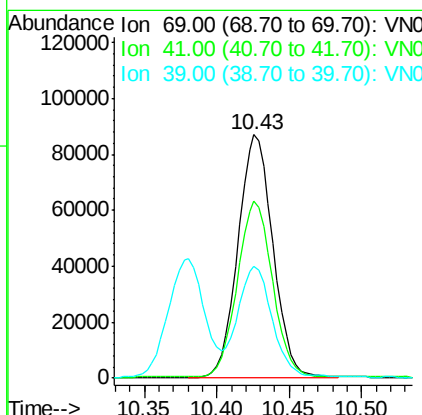
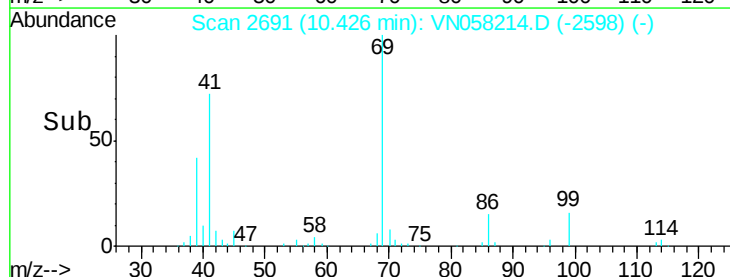
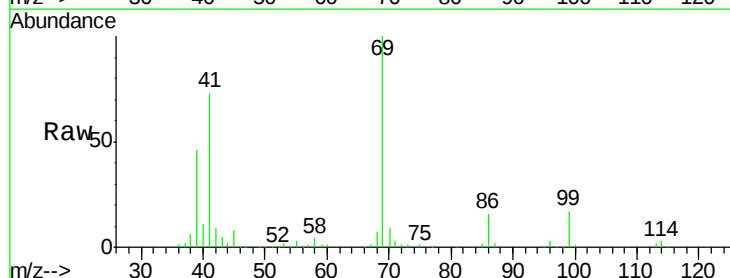
Manual Integrations
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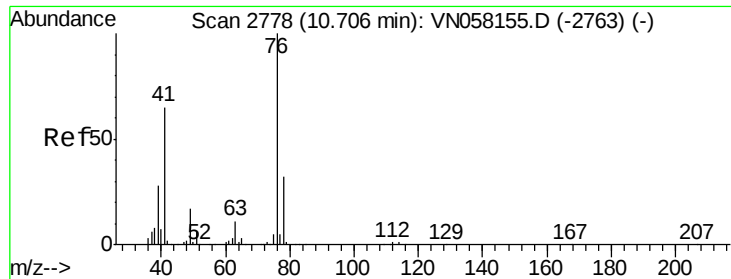
MMDadoda
 9/20/2019 3:37:45 PM



#56
 Ethyl methacrylate
 Concen: 20.768 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		146160		
41	71.7	57.5	86.3		
39	44.8	36.1	54.1		





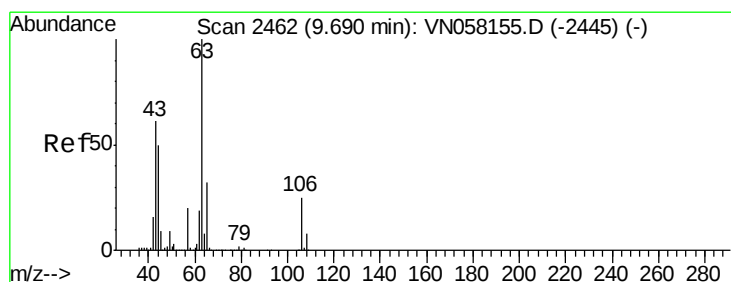
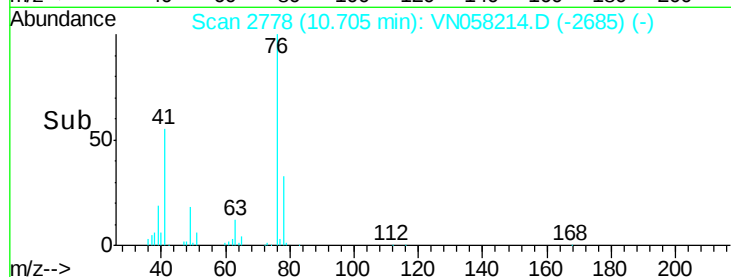
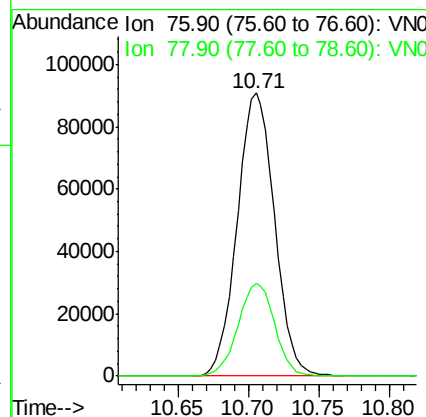
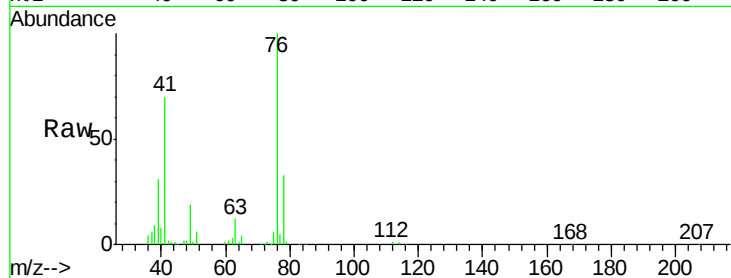
#57
 1,3-Dichloropropane
 Concen: 20.085 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampled :
 VN0919WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.0

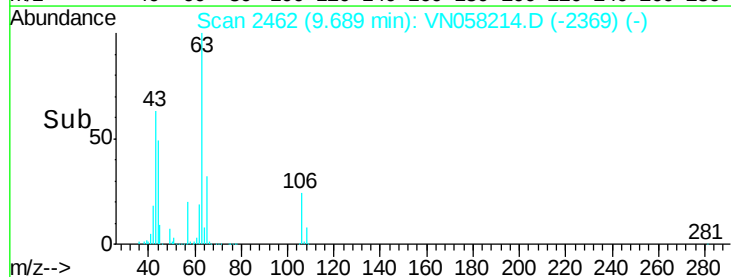
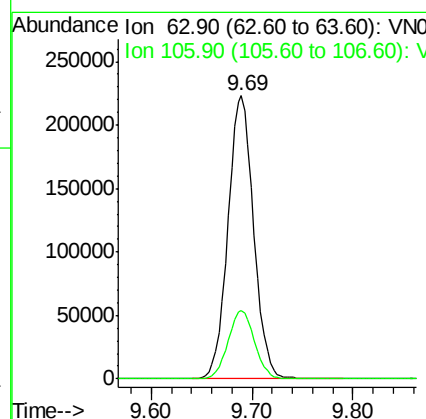
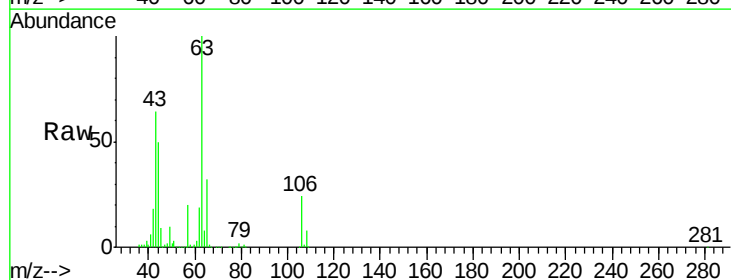
Manual Integrations
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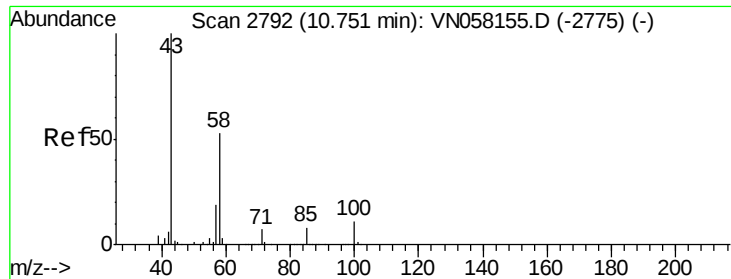
MMDadoda
 9/20/2019 3:37:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 118.126 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	24.9	19.9	29.9





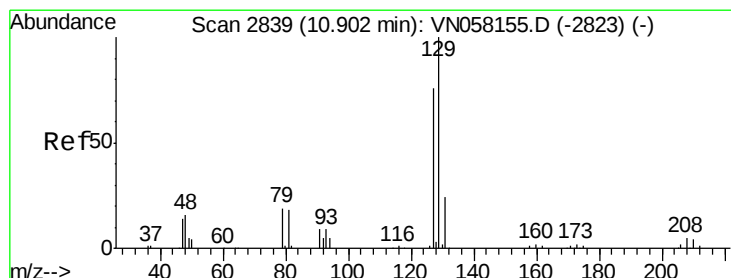
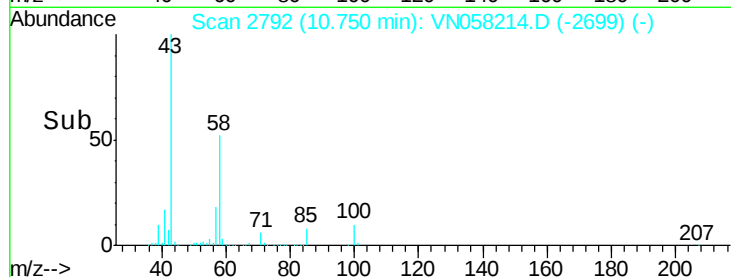
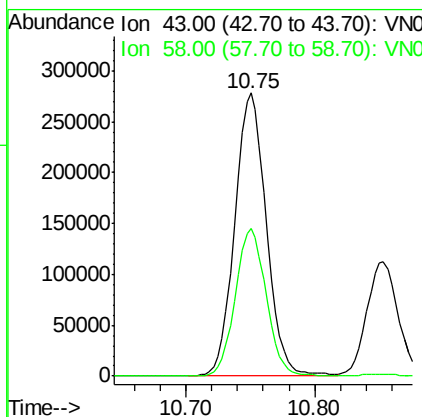
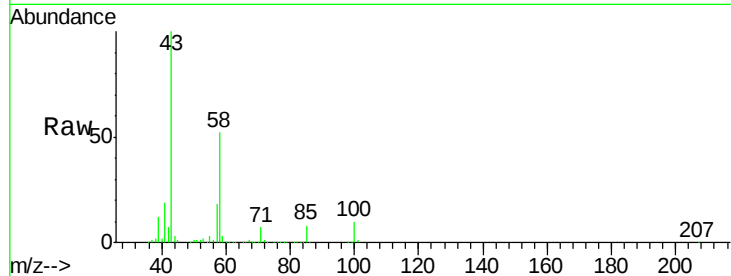
#59
2-Hexanone
Concen: 106.968 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion: 43 Resp: 469621
Ion Ratio Lower Upper
43 100
58 51.5 26.0 78.0

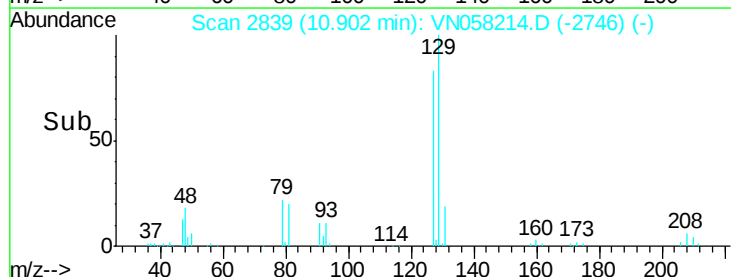
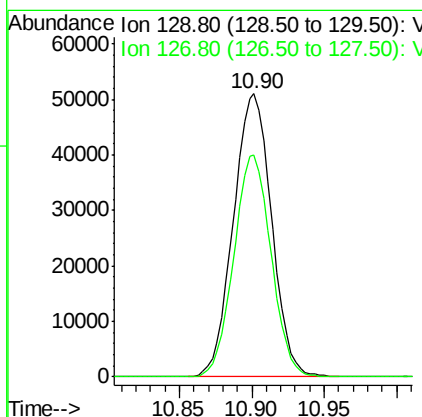
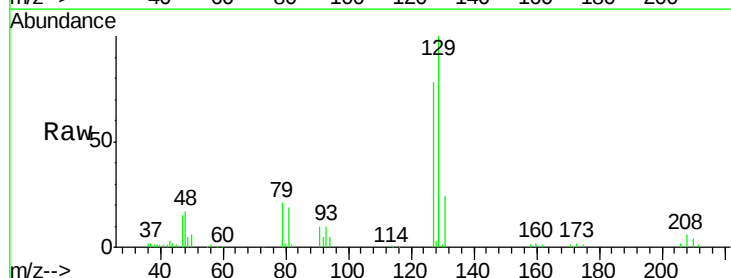
Manual Integrations
APPROVED

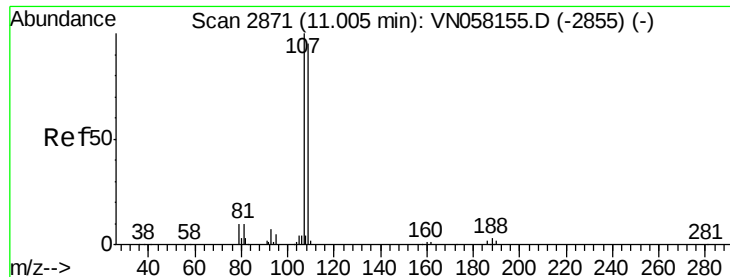
MMDadoda
9/20/2019 3:37:45 PM



#60
Dibromochloromethane
Concen: 19.975 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 129 Resp: 93735
Ion Ratio Lower Upper
129 100
127 76.3 38.7 116.1





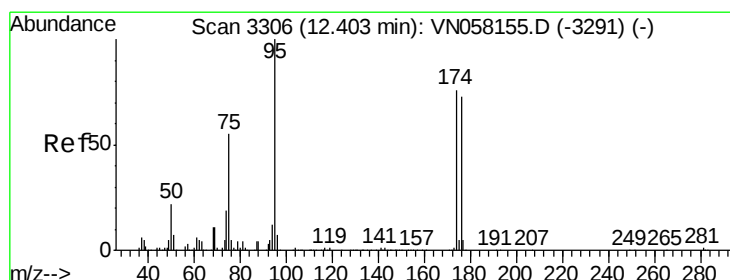
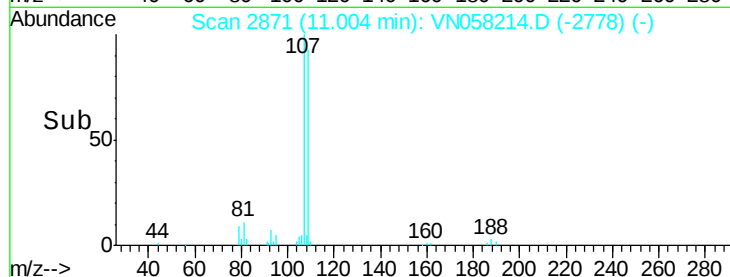
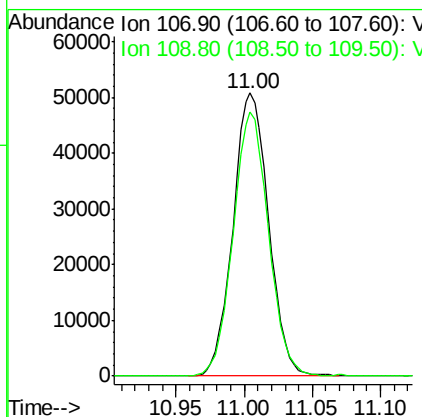
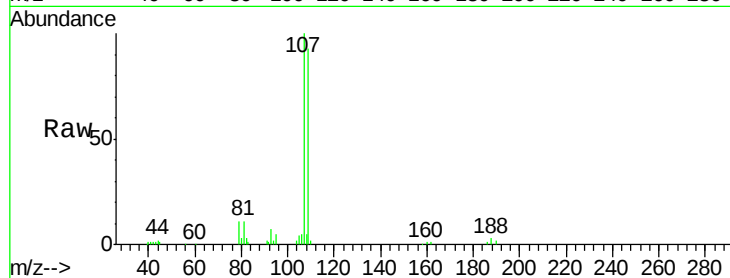
#61
 1,2-Dibromoethane
 Concen: 20.340 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.4	113.2

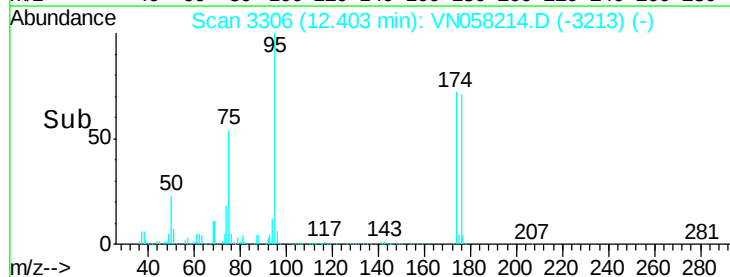
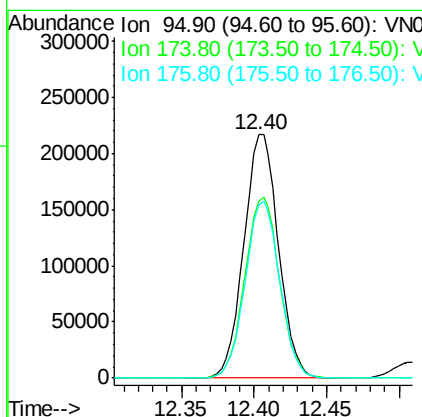
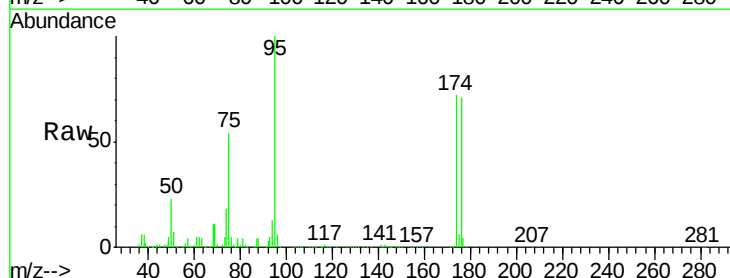
Manual Integrations
 APPROVED

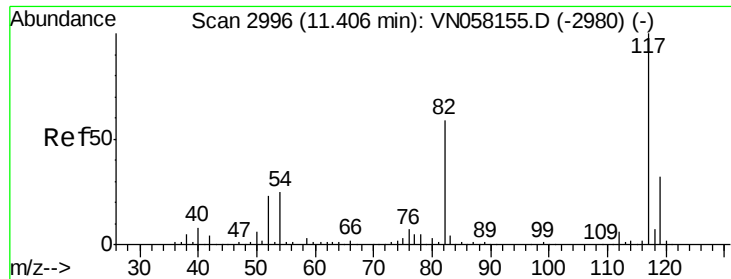
MMDadoda
 9/20/2019 3:37:45 PM



#62
 4-Bromofluorobenzene
 Concen: 51.475 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	152.2
176	72.8	0.0	148.0





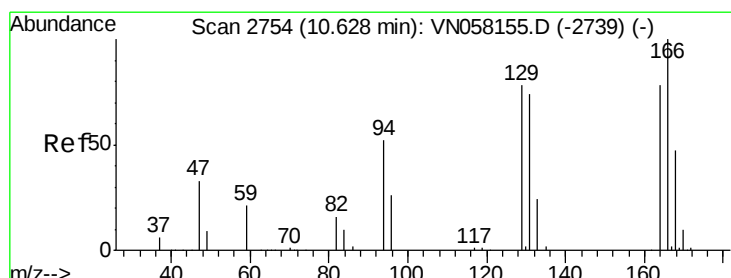
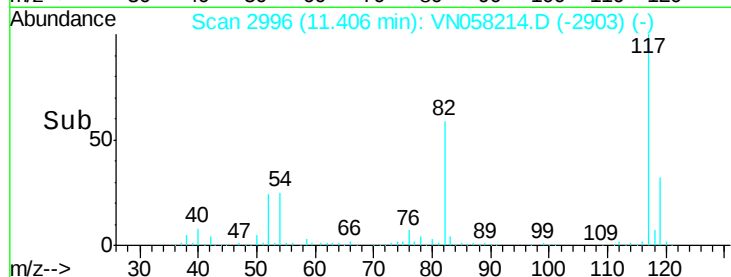
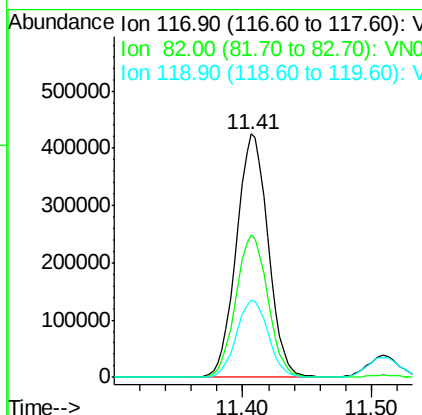
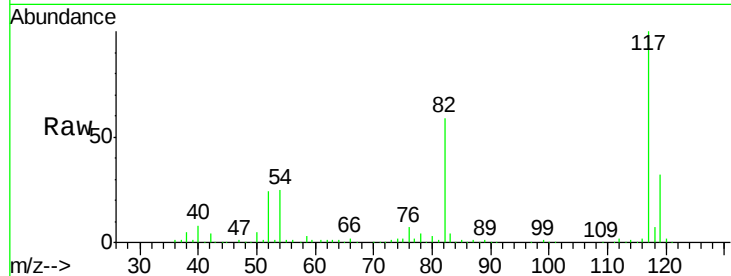
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.5	46.9	70.3
119	31.5	25.3	37.9

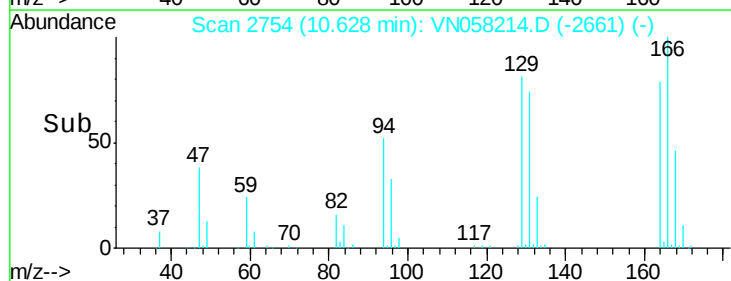
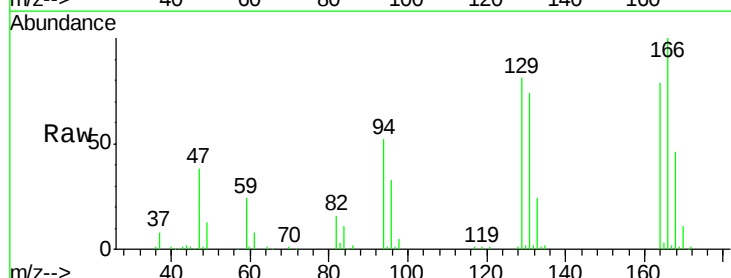
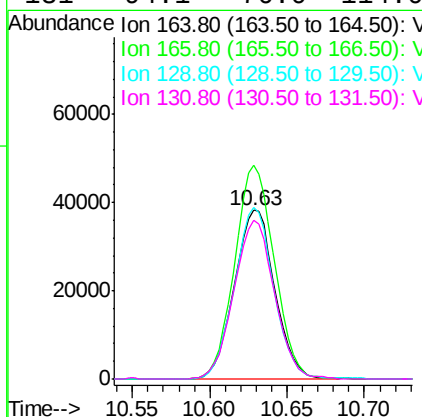
Manual Integrations
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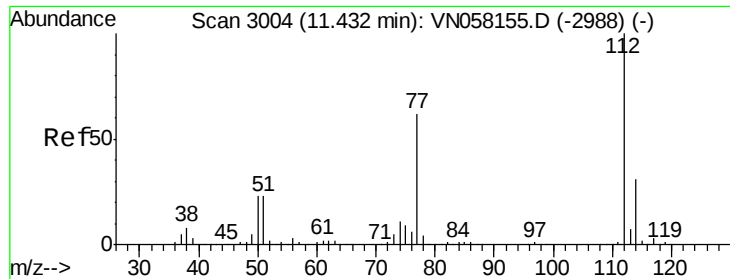
MMDadoda
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#64
Tetrachloroethene
Concen: 19.588 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.2	153.4
129	102.0	79.6	119.4
131	94.1	76.0	114.0





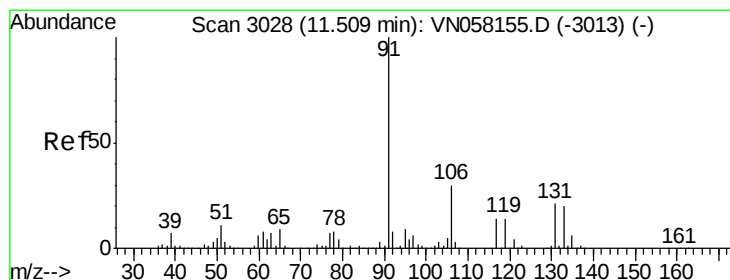
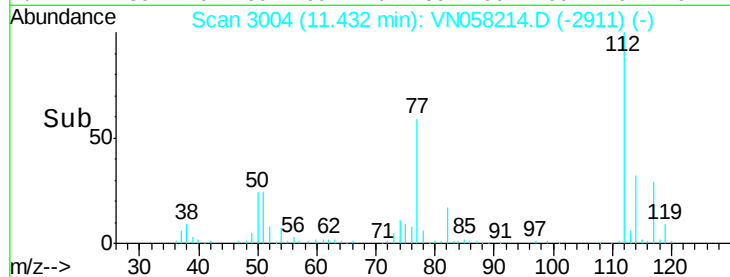
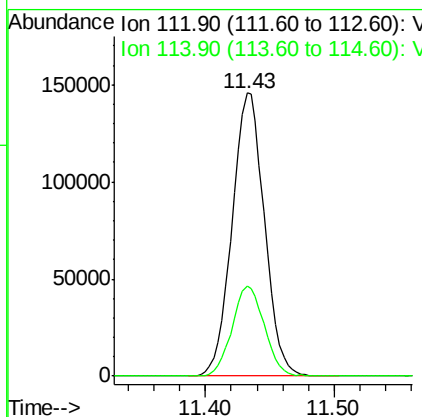
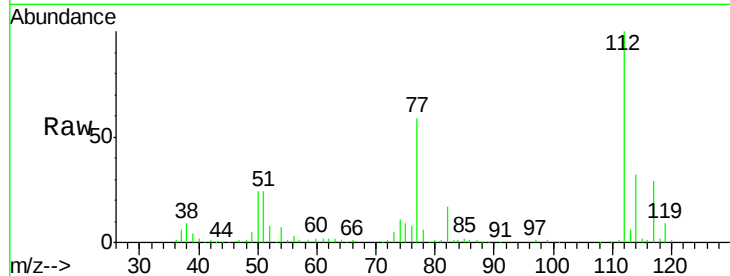
#65
Chlorobenzene
Concen: 19.812 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion:112 Resp: 253604
Ion Ratio Lower Upper
112 100
114 31.7 25.1 37.7

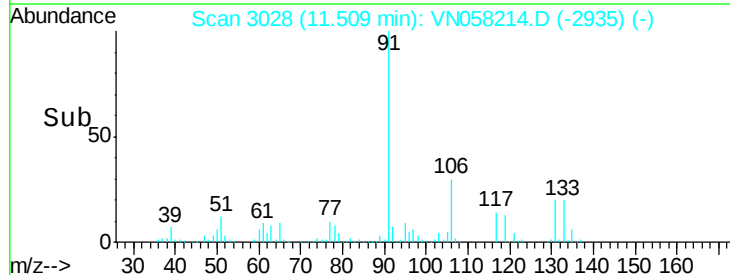
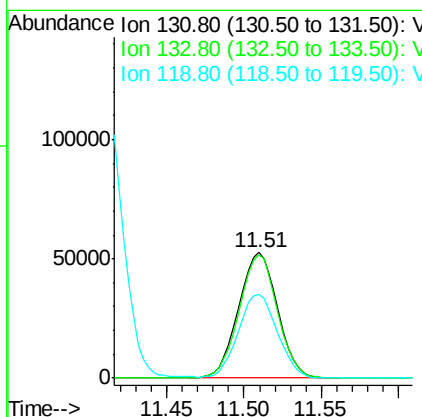
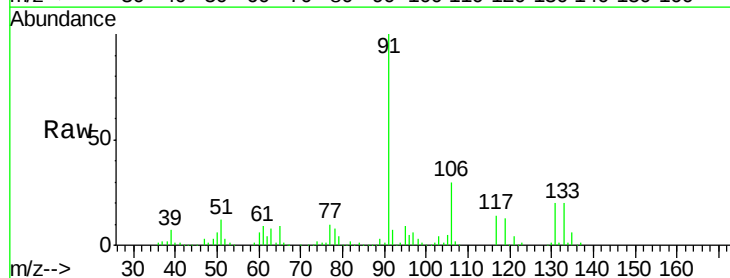
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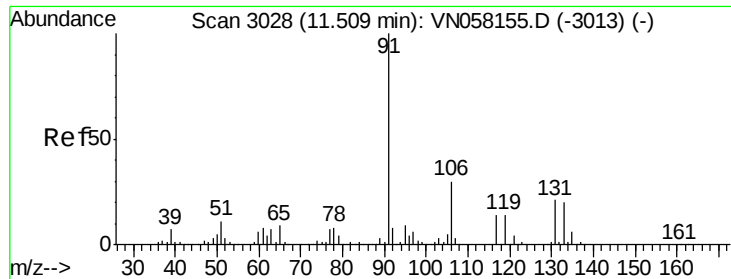
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.939 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion:131 Resp: 92547
Ion Ratio Lower Upper
131 100
133 96.0 47.8 143.3
119 67.1 33.1 99.3





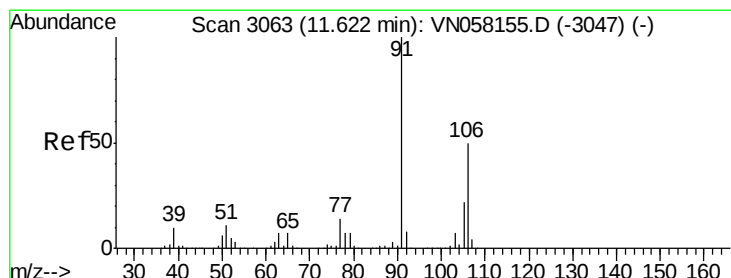
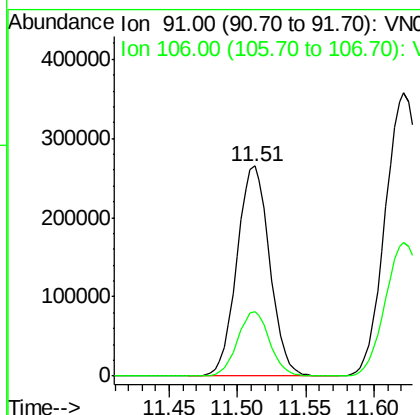
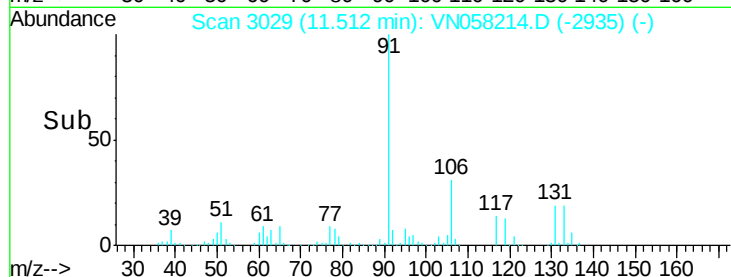
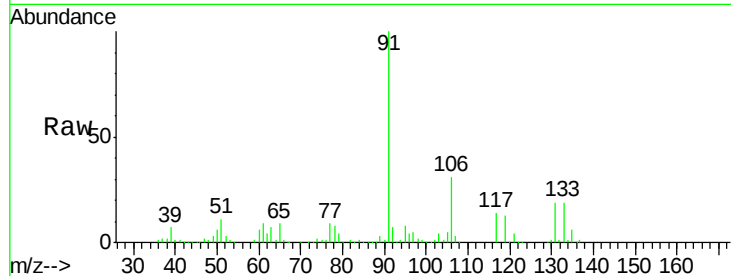
#67
Ethyl Benzene
Concen: 20.215 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion: 91 Resp: 443389
Ion Ratio Lower Upper
91 100
106 30.9 24.0 36.0

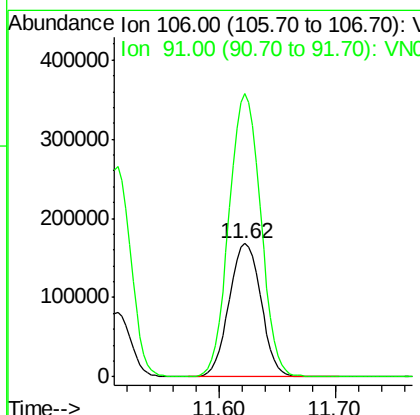
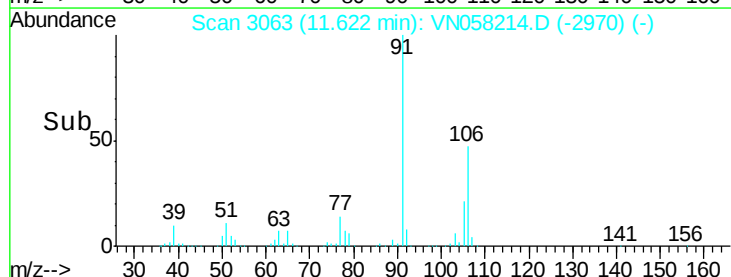
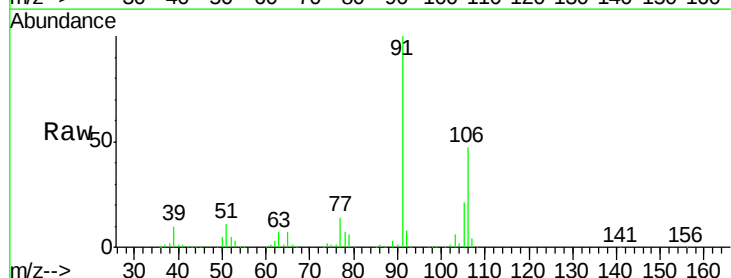
Manual Integrations
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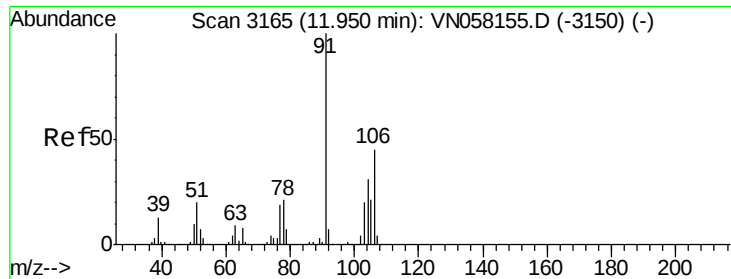
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#68
m/p-Xylenes
Concen: 39.041 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion: 106 Resp: 322515
Ion Ratio Lower Upper
106 100
91 210.6 163.6 245.4





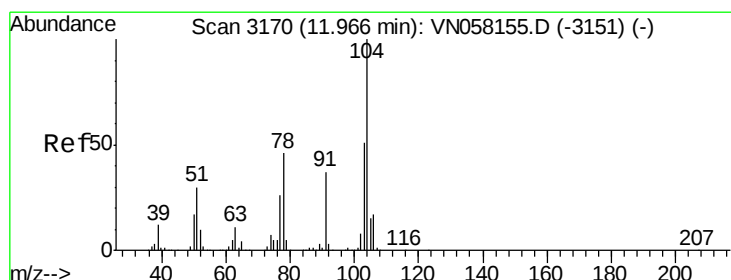
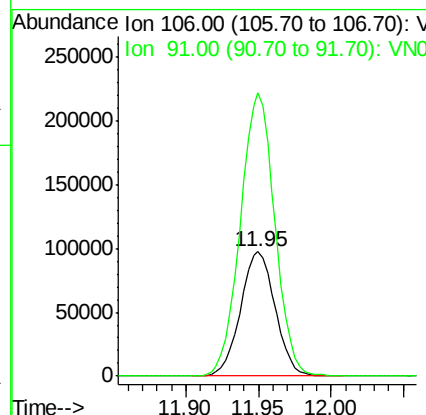
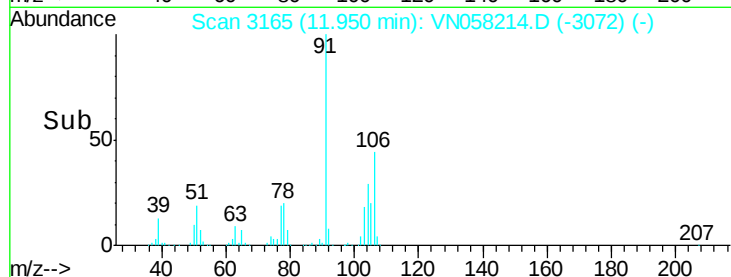
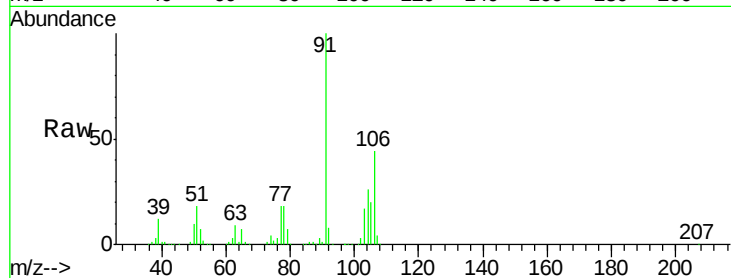
#69
o-Xylene
Concen: 19.884 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampled :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	226.2	111.8	335.3

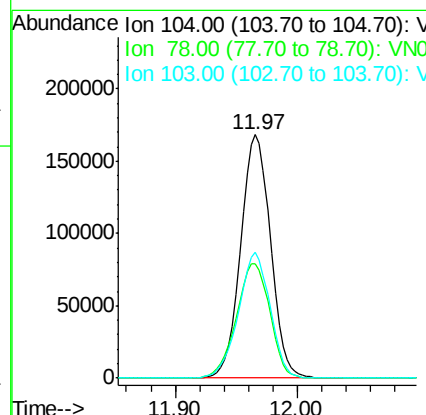
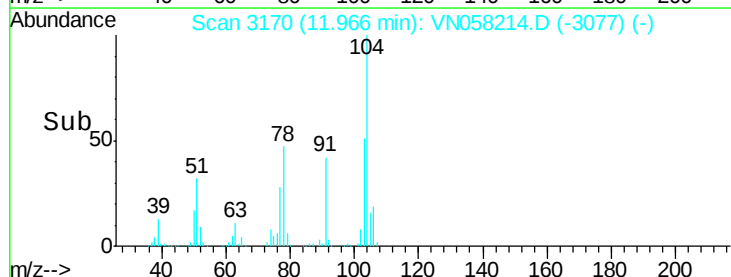
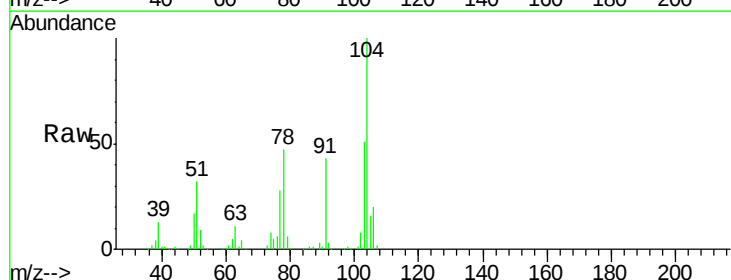
Manual Integrations
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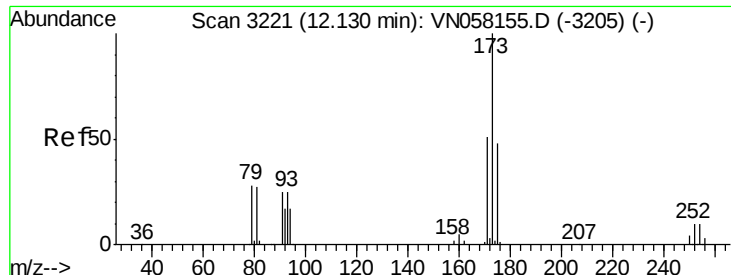
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#70
Styrene
Concen: 20.315 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.3	41.8	62.8
103	55.0	44.2	66.2





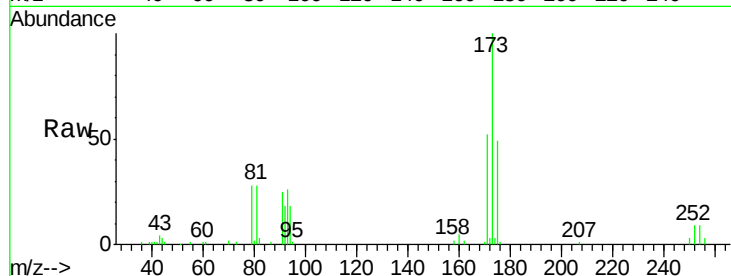
#71
Bromoform
Concen: 18.867 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

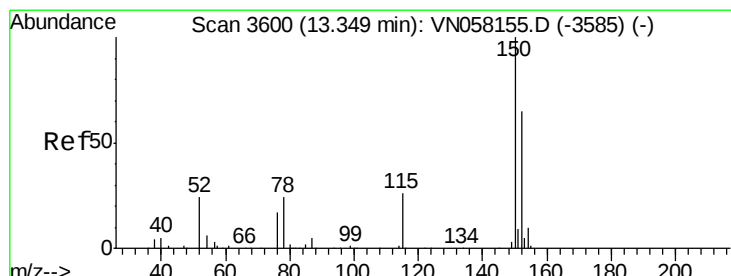
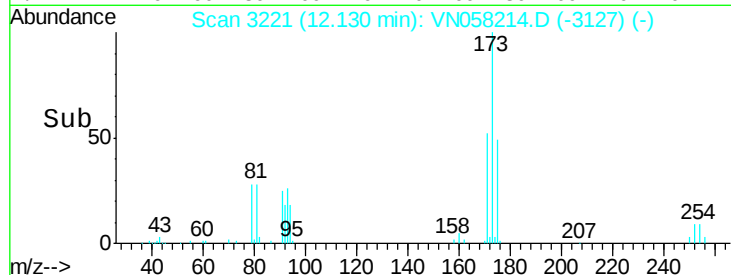
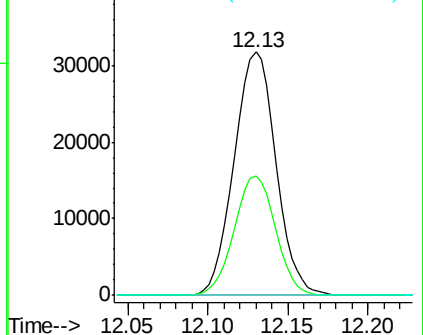
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1#

Manual Integrations
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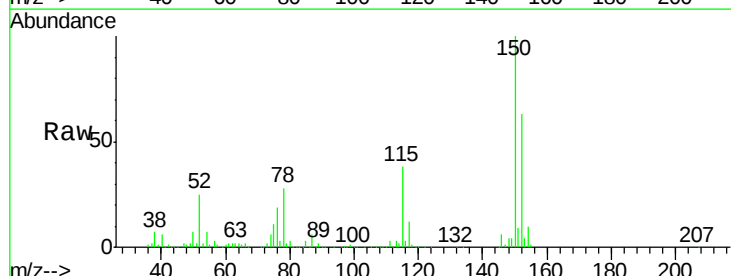


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

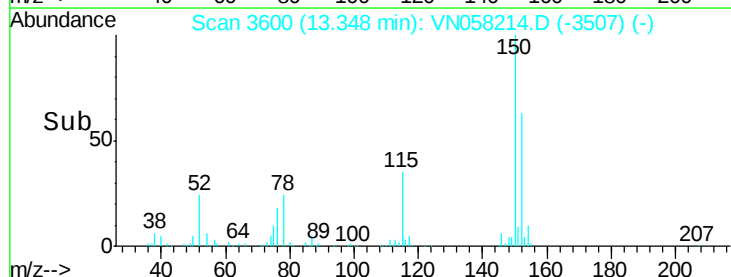
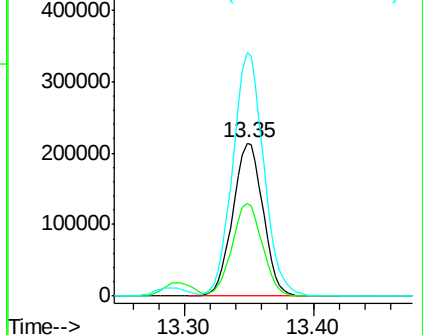


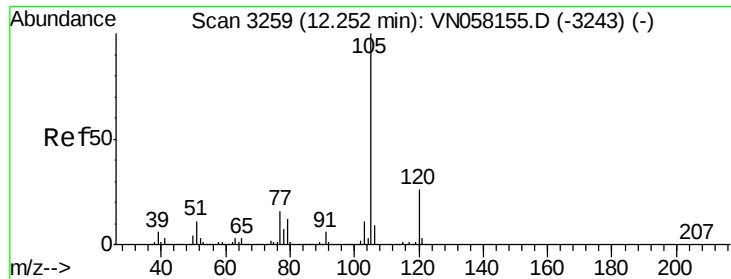
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.1	90.3
150	162.5	0.0	346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





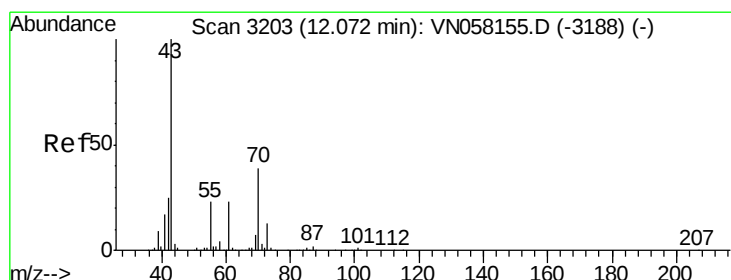
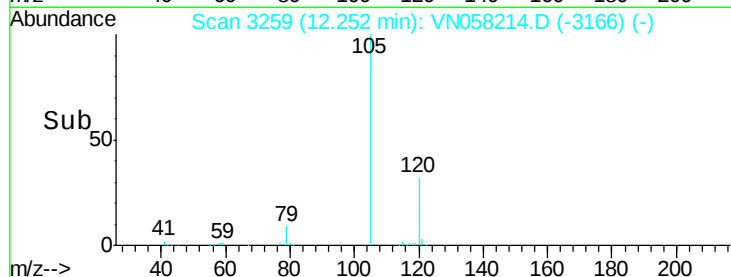
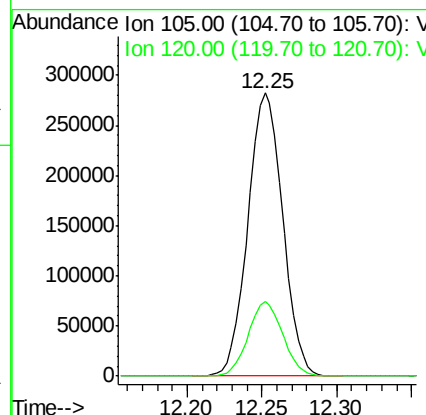
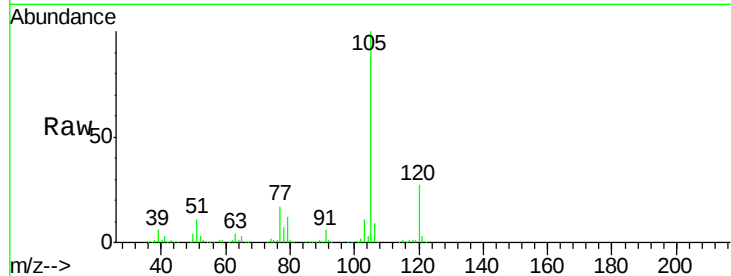
#73
Isopropylbenzene
Concen: 20.940 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.8	38.3

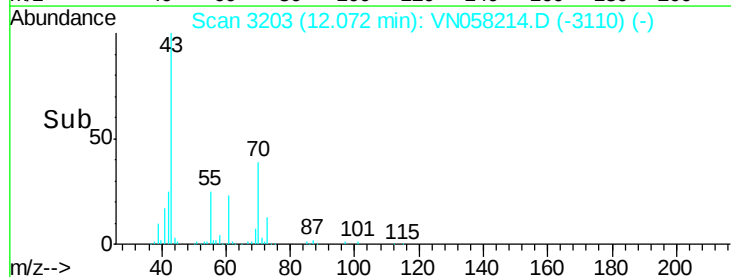
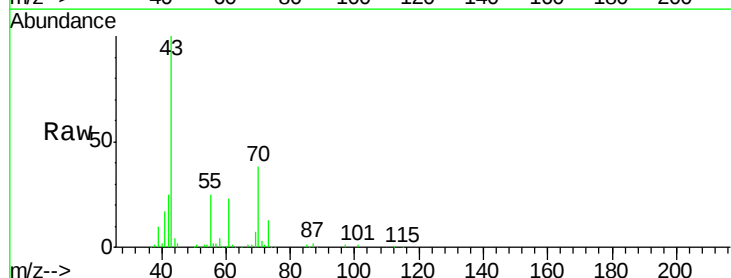
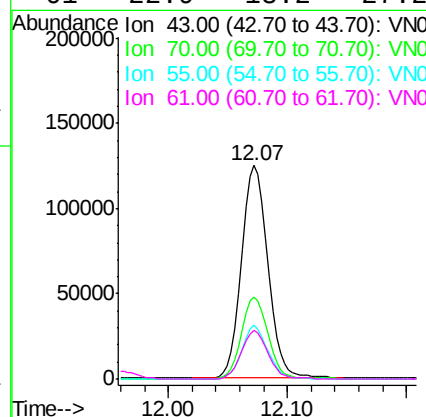
Manual Integrations
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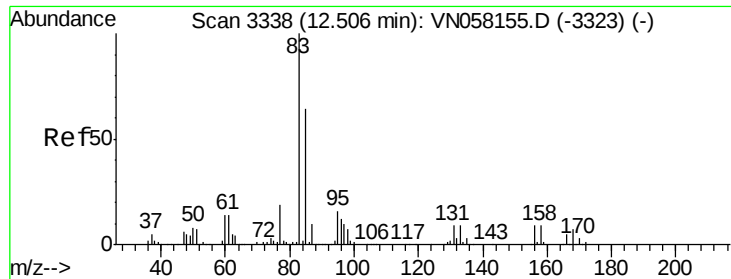
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#74
N-ethyl acetate
Concen: 21.132 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.6	31.0	46.6
55	24.5	18.5	27.7
61	22.9	18.2	27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.741 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

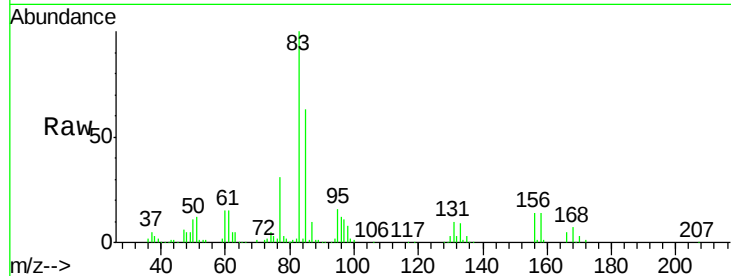
ClientSampleId :

VN0919WBS02

Tot Ion:	83	Resp:	151697
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.8	14.3
85	63.7	31.9	95.5

Manual Integrations
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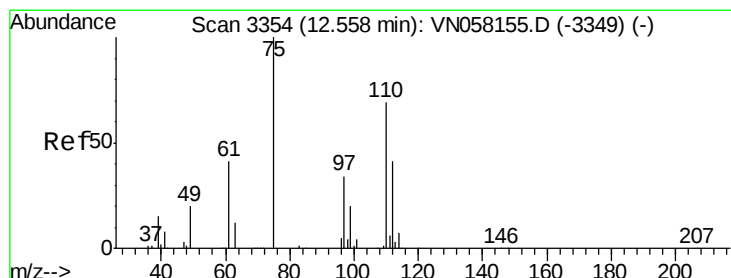
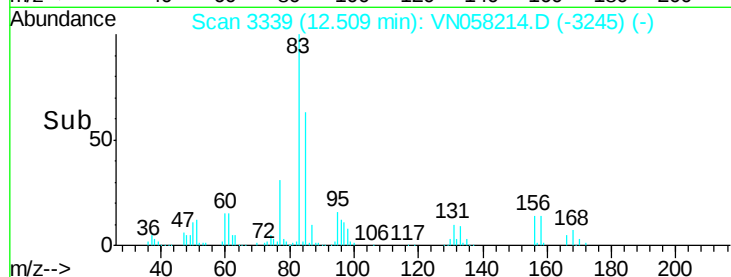
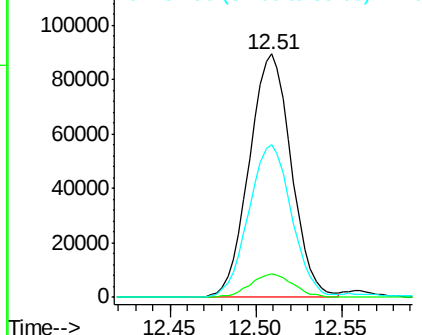
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN058214.D (-3338) (-)

Ion 130.80 (130.50 to 131.50): VN058214.D (-3338) (-)

Ion 84.90 (84.60 to 85.60): VN058214.D (-3338) (-)



#76

1,2,3-Trichloropropane

Concen: 21.094 ug/l m

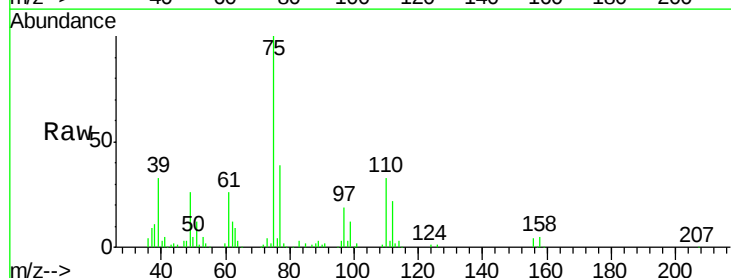
RT: 12.56 min Scan# 3354

Delta R.T. -0.00 min

Lab File: VN058214.D

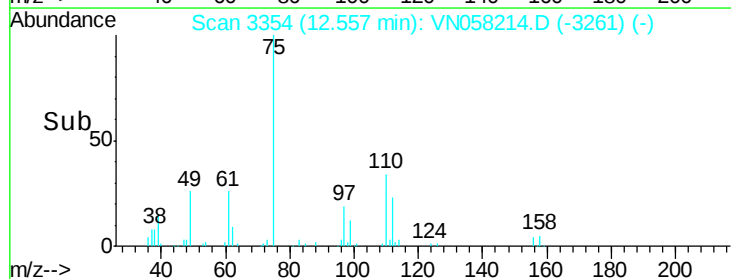
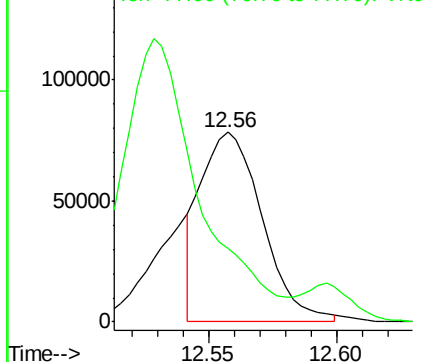
Acq: 19 Sep 2019 19:16

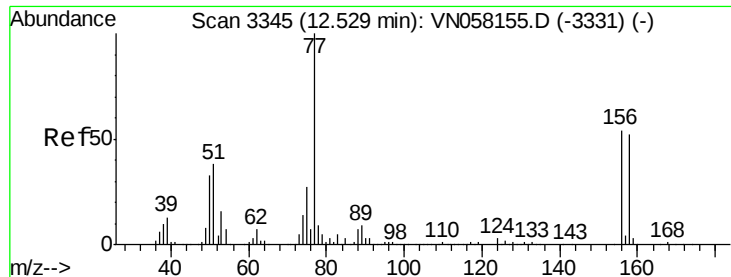
Tgt Ion:	75	Resp:	131728
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058214.D (-3354) (-)

Ion 77.00 (76.70 to 77.70): VN058214.D (-3354) (-)





#77

Bromobenzene

Concen: 19.549 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:156 Resp: 107398

Ion Ratio Lower Upper

156 100

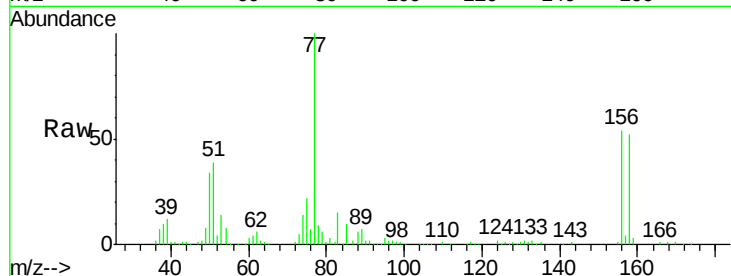
77 229.3 111.7 335.1

158 99.2 47.9 143.8

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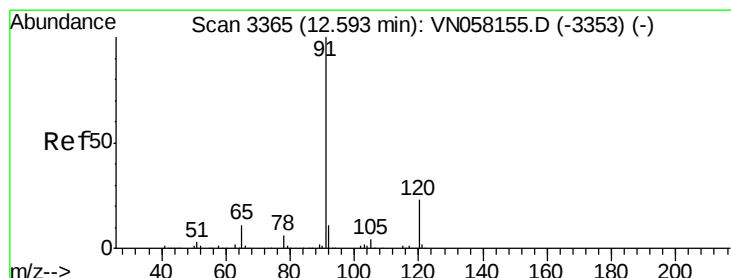
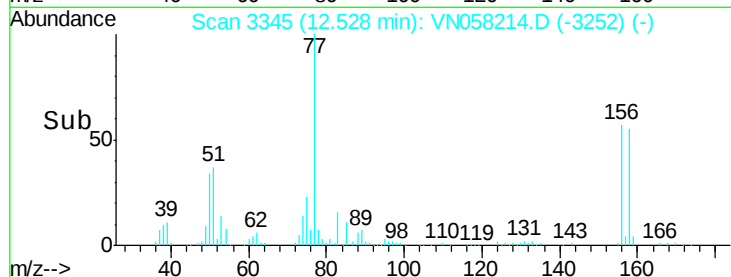
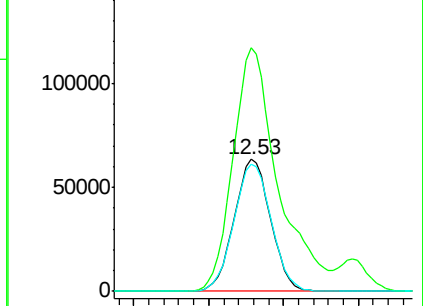
9/20/2019 3:37:45 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.595 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058214.D

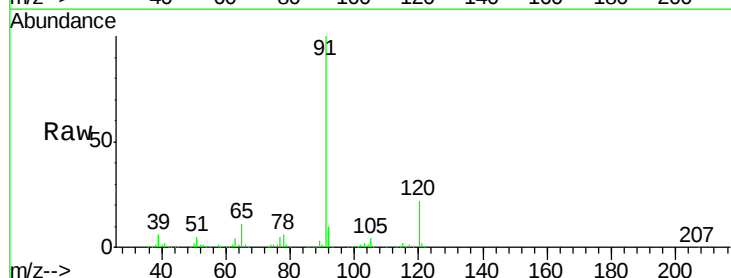
Acq: 19 Sep 2019 19:16

Tgt Ion: 91 Resp: 535956

Ion Ratio Lower Upper

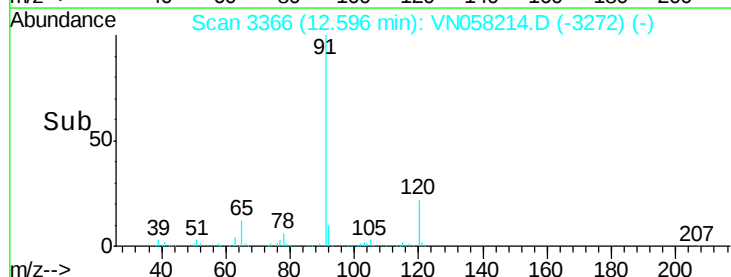
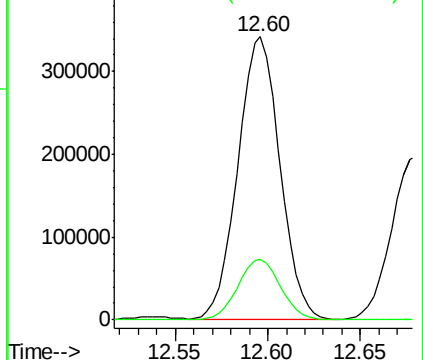
91 100

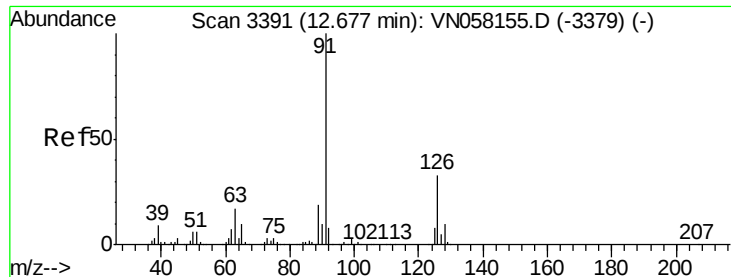
120 21.7 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.905 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion: 91 Resp: 324253

Ion Ratio Lower Upper

91 100

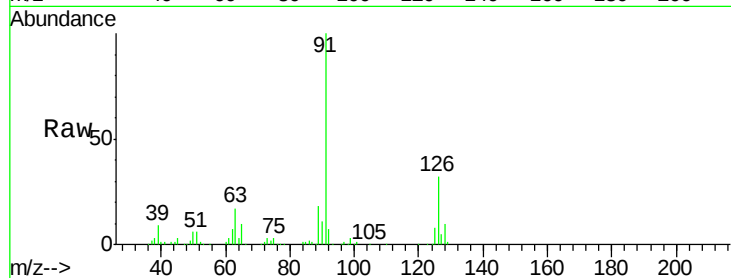
126 32.3 16.4 49.1

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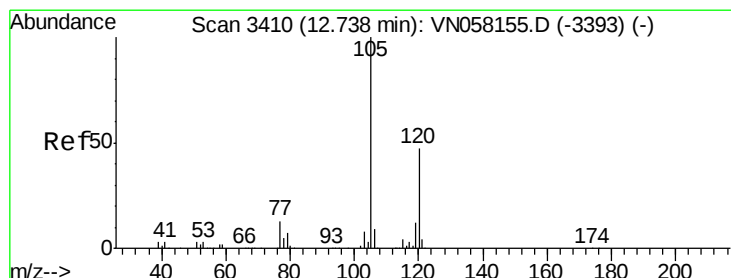
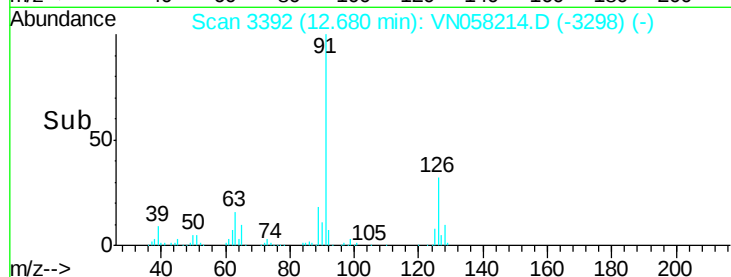
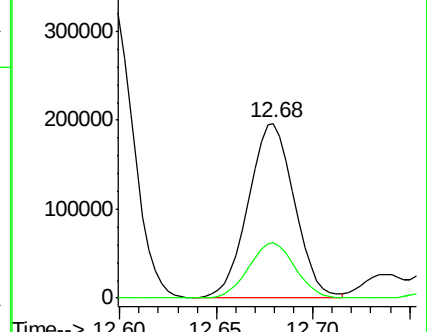
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Abundance Ion 91.00 (90.70 to 91.70): VN058214.D (-3392) (-)

Ion 125.90 (125.60 to 126.60): VN058214.D (-3392) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.417 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058214.D

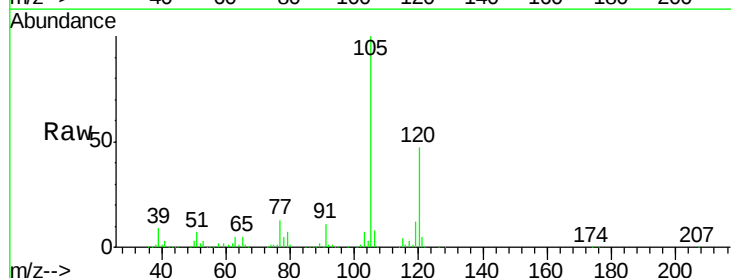
Acq: 19 Sep 2019 19:16

Tgt Ion: 105 Resp: 395543

Ion Ratio Lower Upper

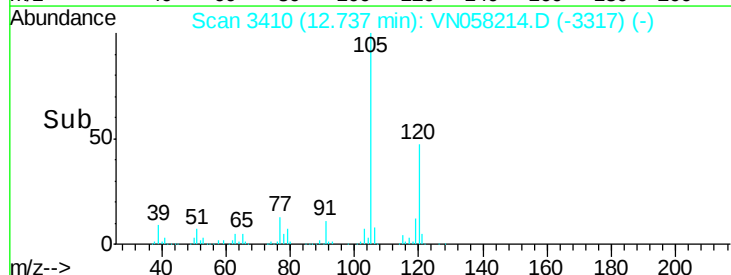
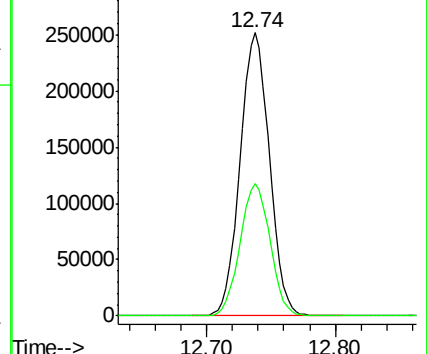
105 100

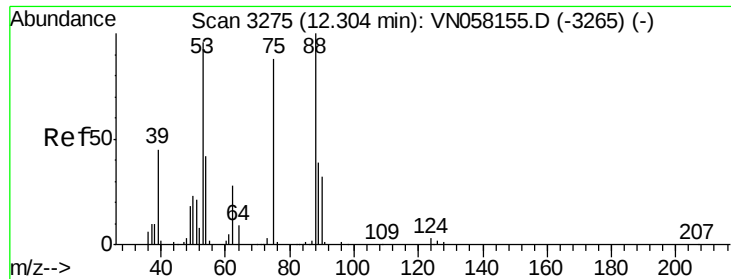
120 48.1 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058214.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN058214.D (-3410) (-)





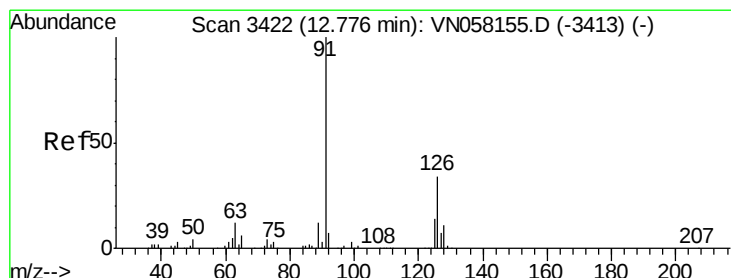
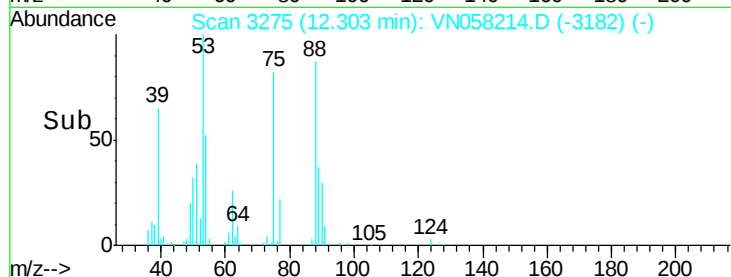
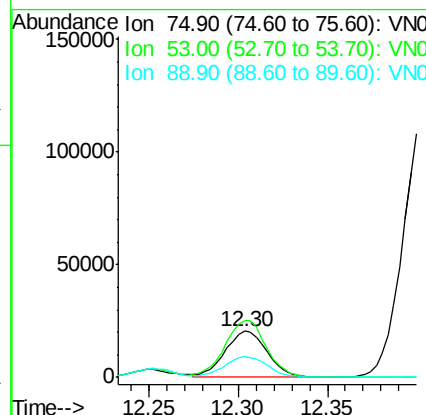
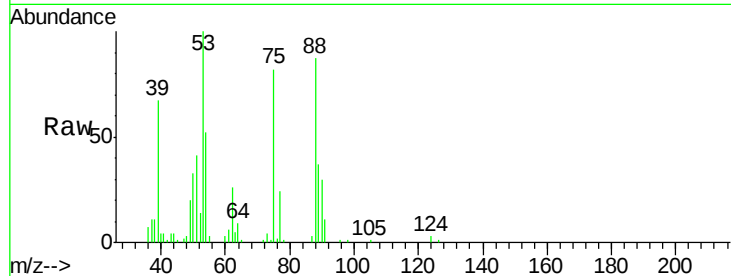
#81
trans-1,4-Dichloro-2-butene
Concen: 19.758 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	121.6	90.1	135.1
89	46.2	36.2	54.2

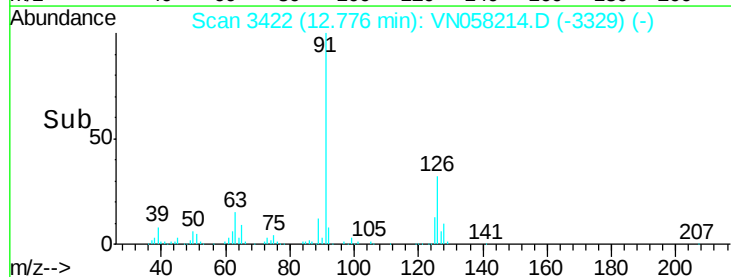
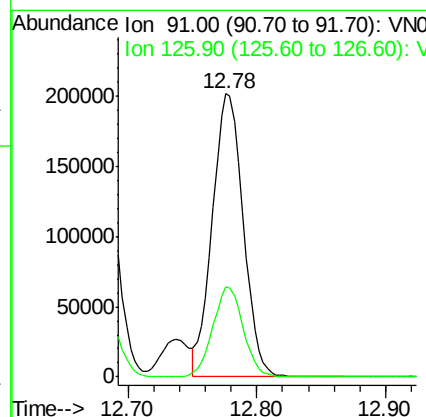
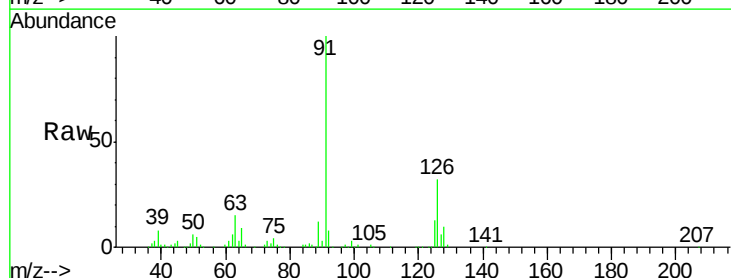
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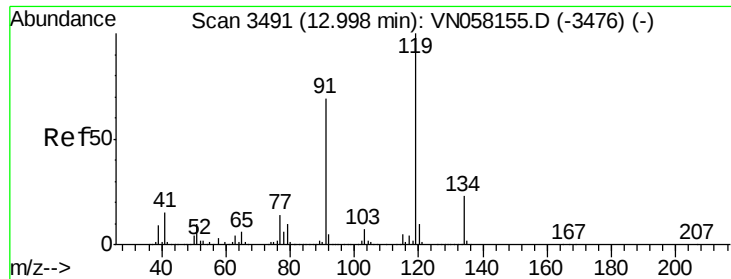
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#82
4-Chlorotoluene
Concen: 20.515 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.7	47.1





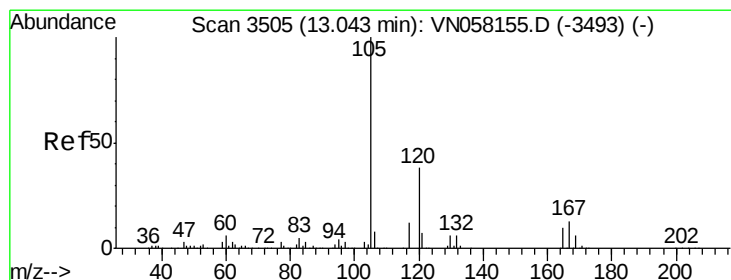
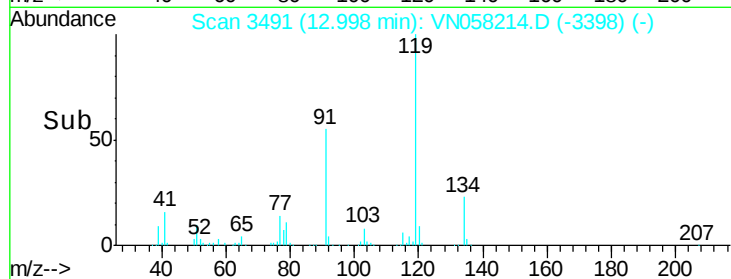
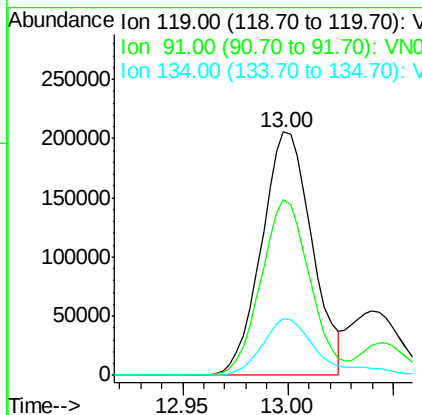
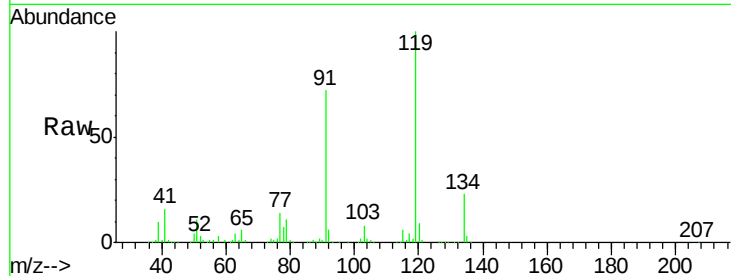
#83
tert-Butylbenzene
Concen: 20.722 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. -0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Instrument :
MSVOA_N
ClientSampleId :
VN0919WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.0	33.8	101.3
134	23.3	11.6	34.8

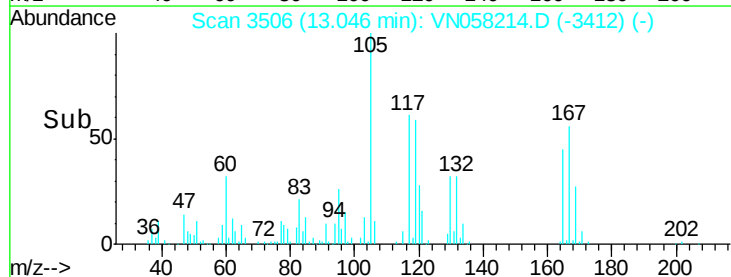
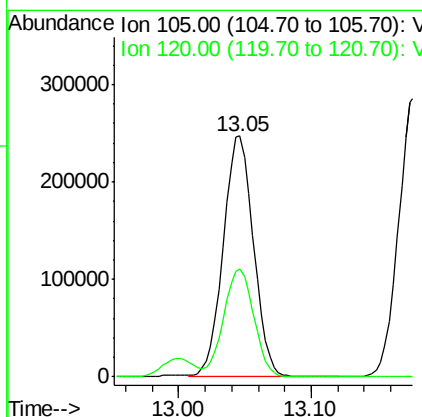
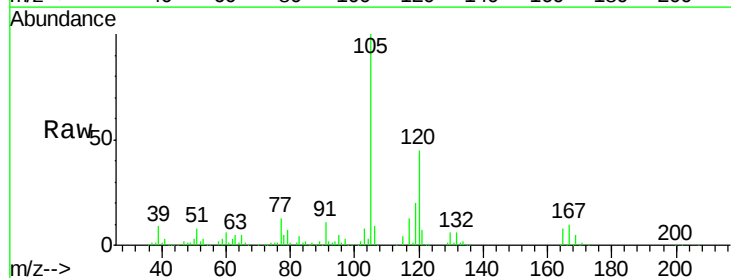
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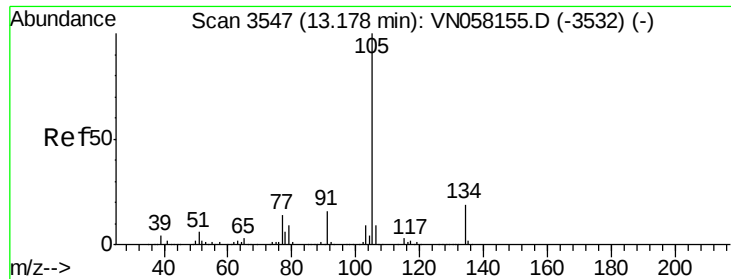
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.260 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN058214.D
Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.8	22.1	66.5





#85

sec-Butylbenzene

Concen: 21.490 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

ClientSampleId :

VN0919WBS02

Tot Ion:105 Resp: 462827

Ion Ratio Lower Upper

105 100

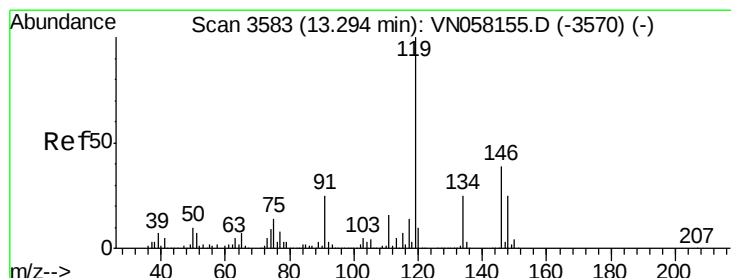
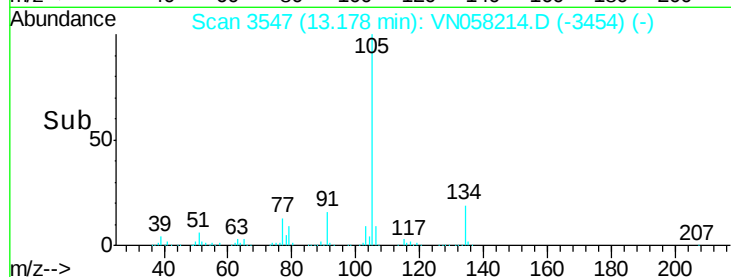
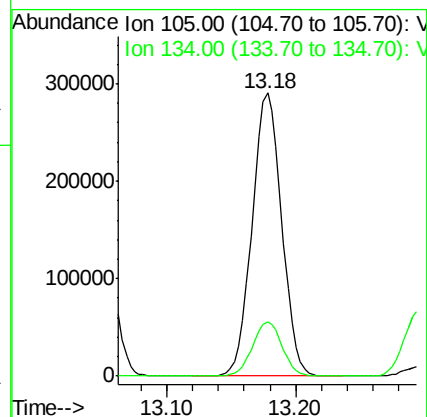
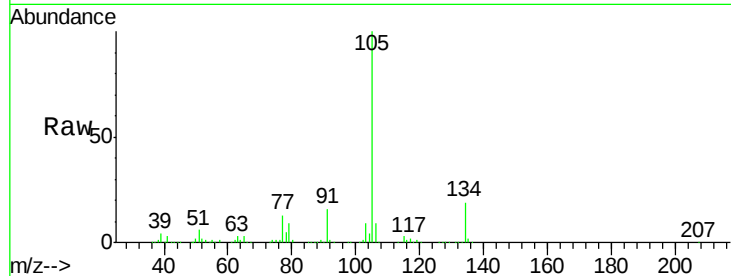
134 19.1 9.5 28.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.417 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

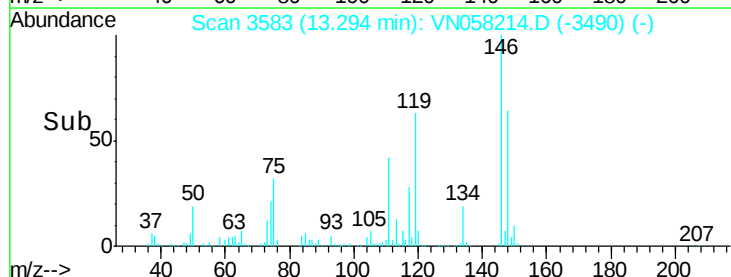
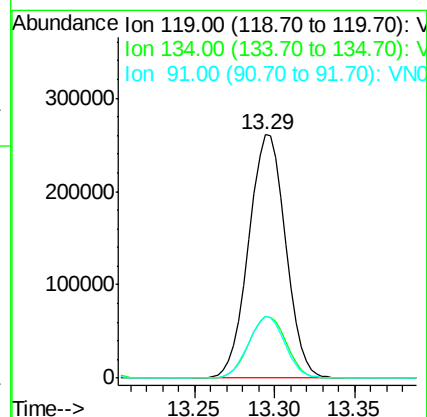
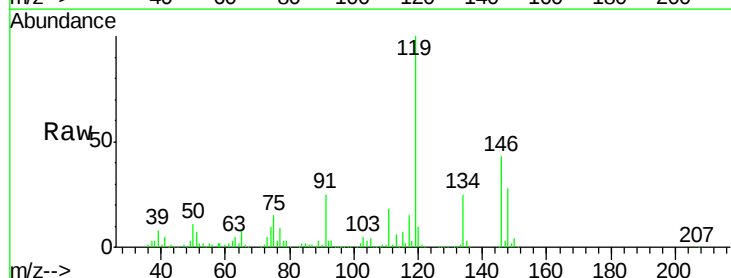
Tgt Ion:119 Resp: 410073

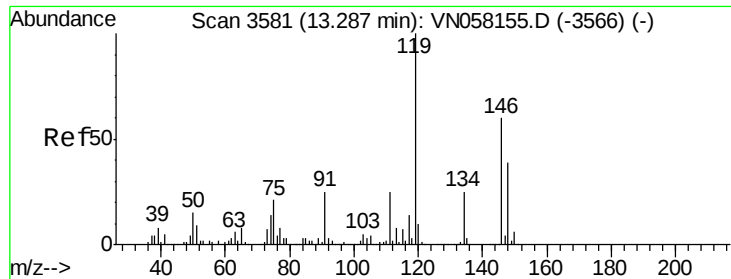
Ion Ratio Lower Upper

119 100

134 25.9 12.7 38.0

91 24.9 12.3 36.8





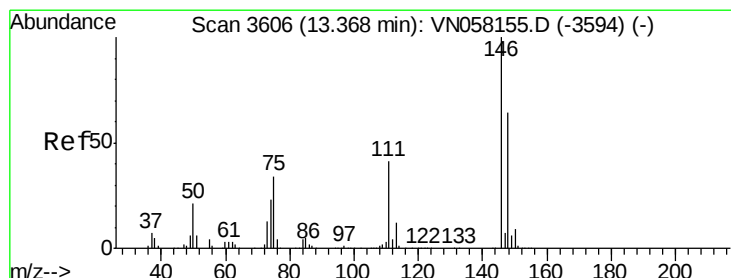
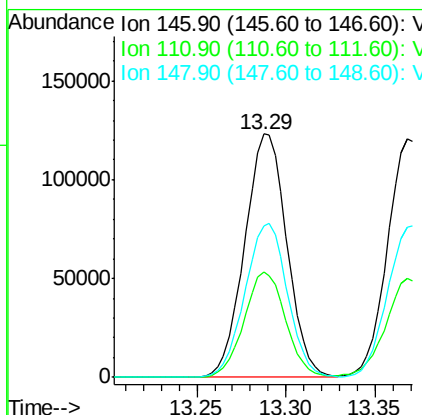
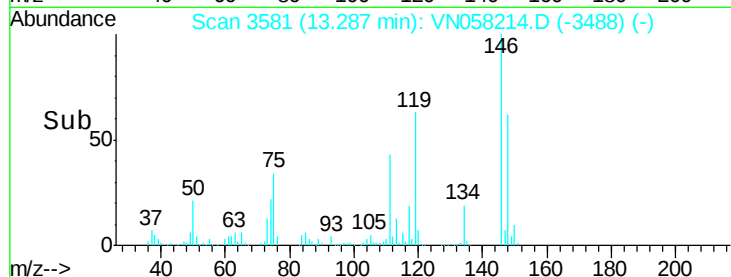
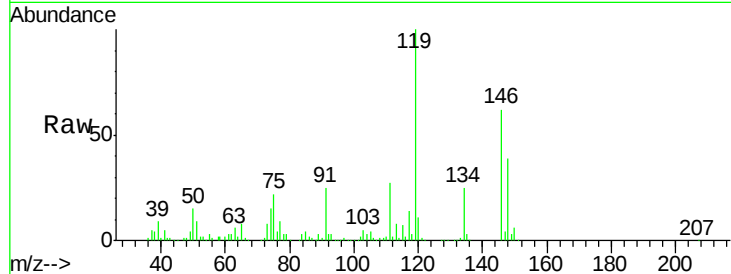
#87
 1,3-Dichlorobenzene
 Concen: 20.326 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203955		
111	42.5	20.9	62.8	
148	63.4	32.0	96.2	

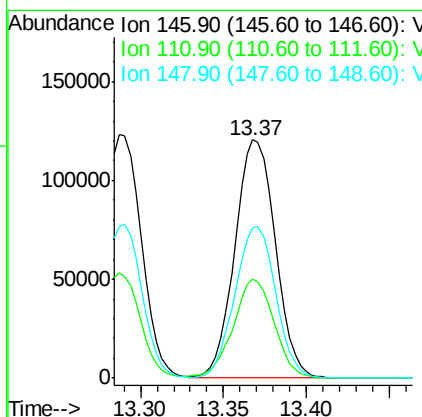
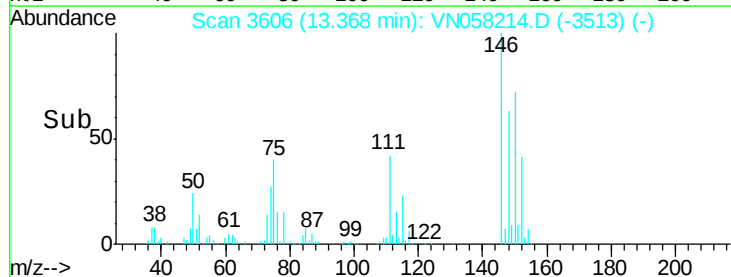
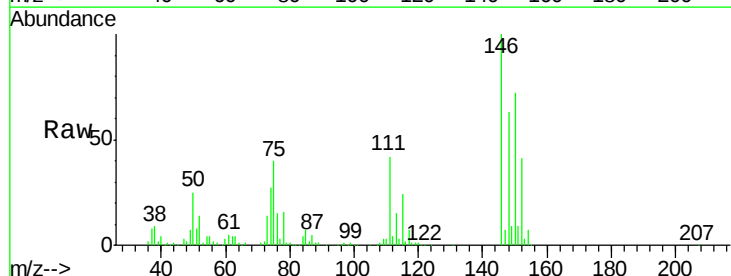
Manual Integrations
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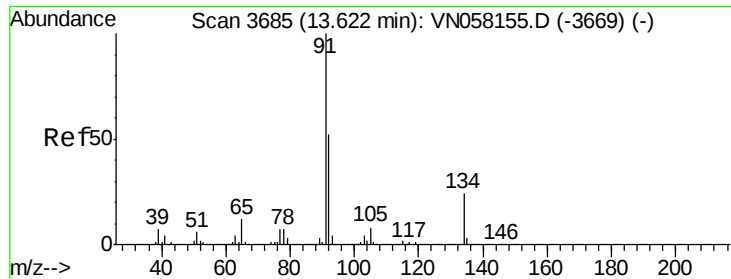
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#88
 1,4-Dichlorobenzene
 Concen: 19.986 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204739		
111	42.2	20.5	61.5	
148	64.3	31.9	95.5	





#89

n-Butylbenzene

Concen: 20.607 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

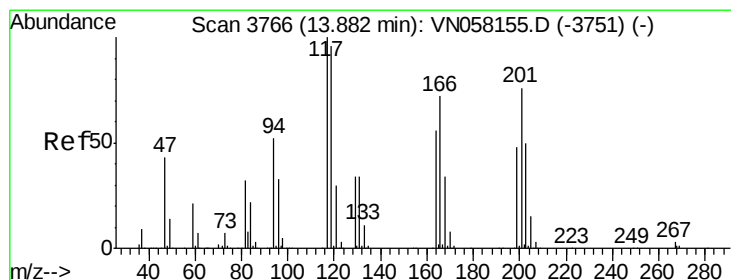
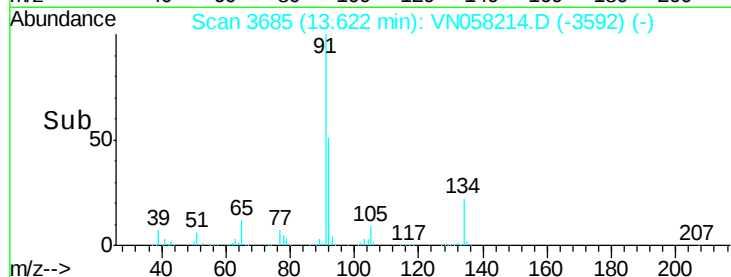
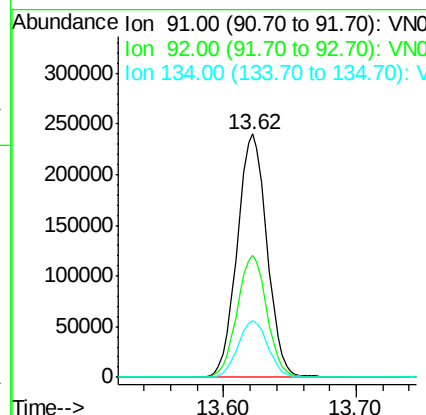
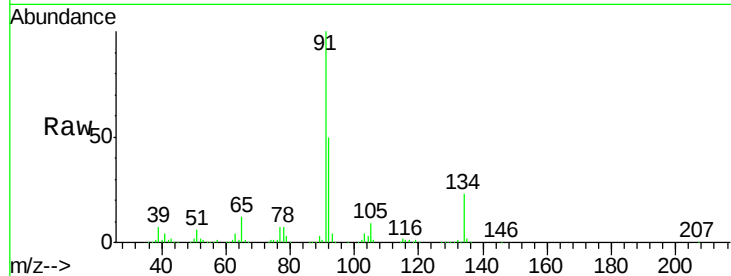
ClientSampleId :

VN0919WBS02

Tot Ion:	91	Resp:	374067
Ion	Ratio	Lower	Upper
91	100		
92	50.1	25.7	77.0
134	23.6	11.8	35.4

Manual Integrations
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#90

Hexachloroethane

Concen: 19.187 ug/l

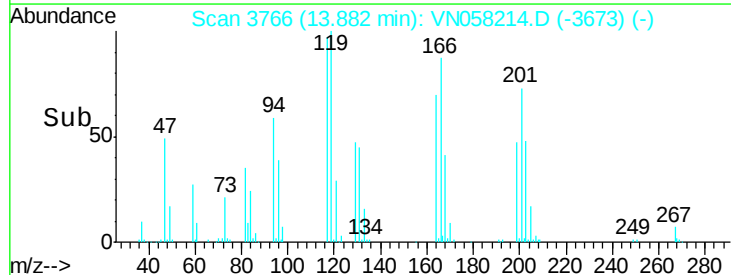
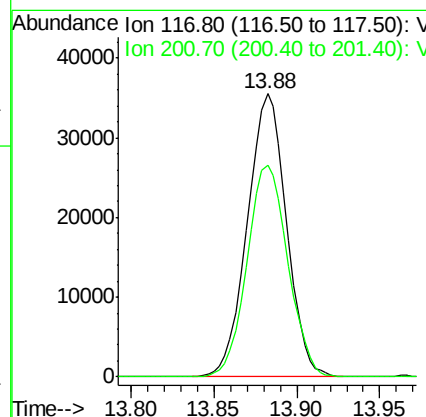
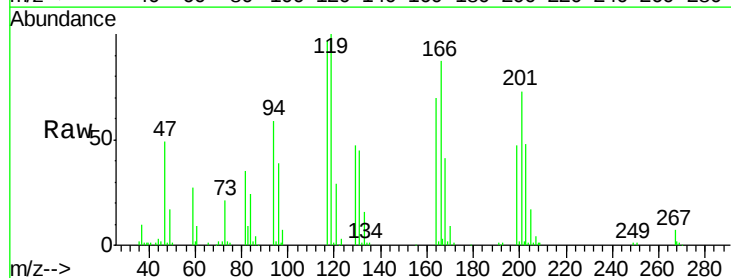
RT: 13.88 min Scan# 3766

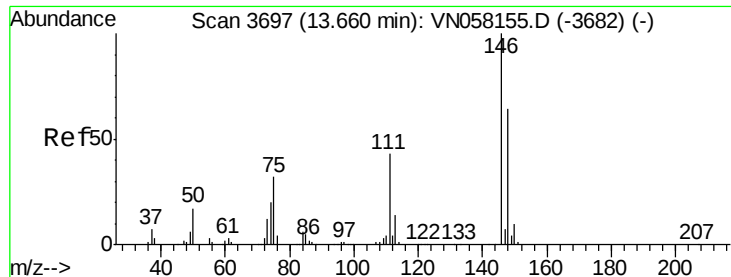
Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Tgt Ion:	117	Resp:	58230
Ion	Ratio	Lower	Upper
117	100		
201	77.9	37.5	112.5





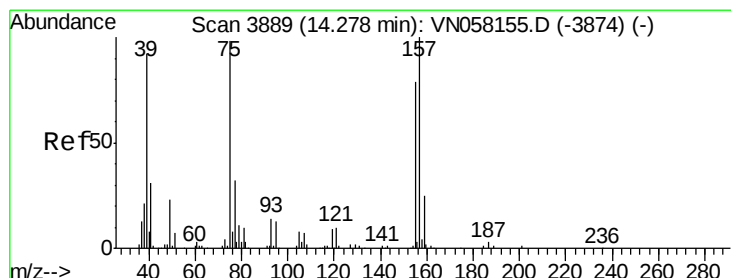
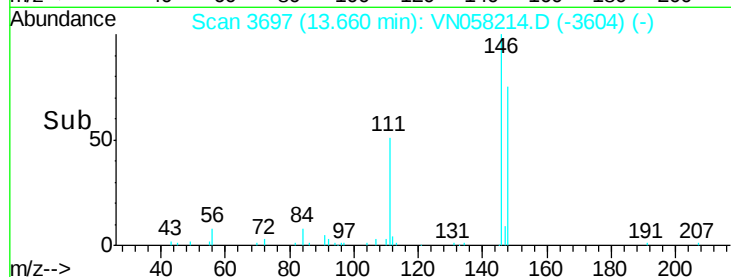
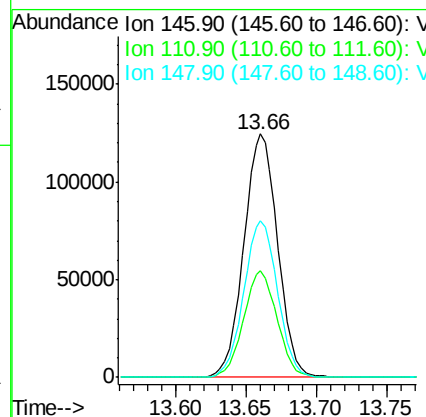
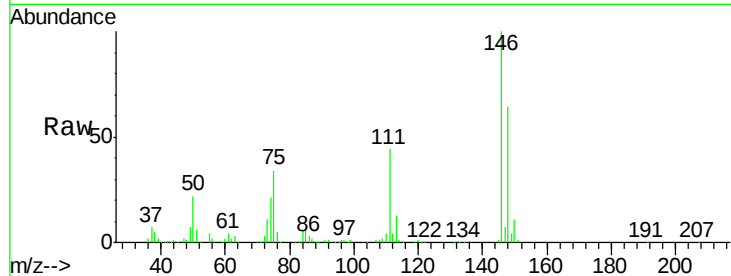
#91
 1,2-Dichlorobenzene
 Concen: 20.780 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209161		
111	43.3	21.1	63.1	
148	64.3	31.8	95.4	

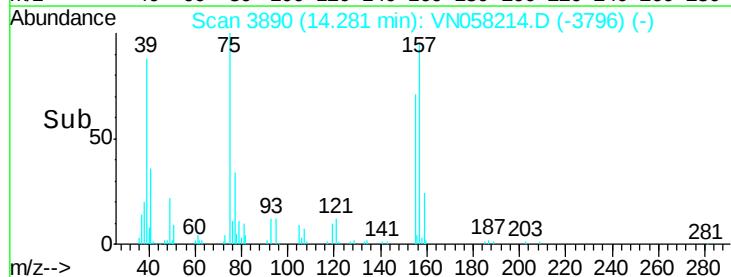
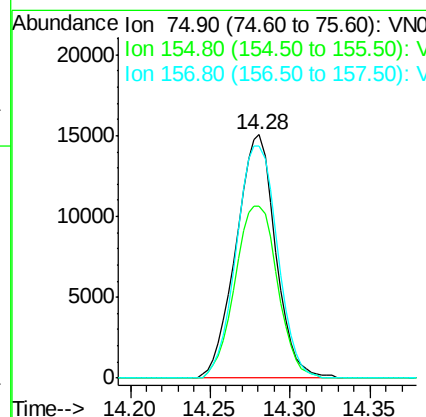
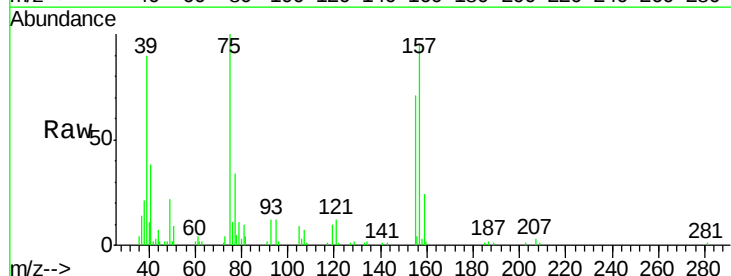
Manual Integrations
 APPROVED

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 9/20/2019 3:37:45 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.269 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25372		
155	76.0	38.3	114.8	
157	98.9	48.0	144.0	





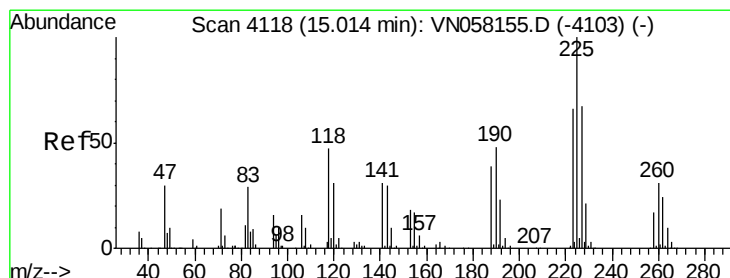
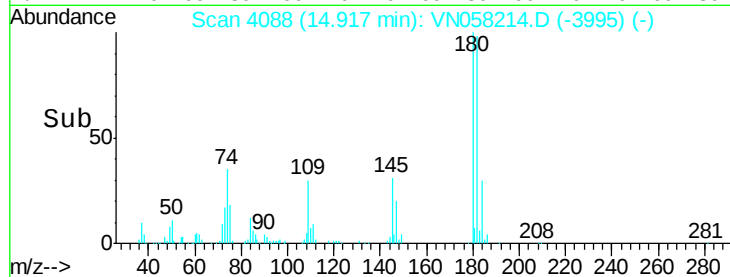
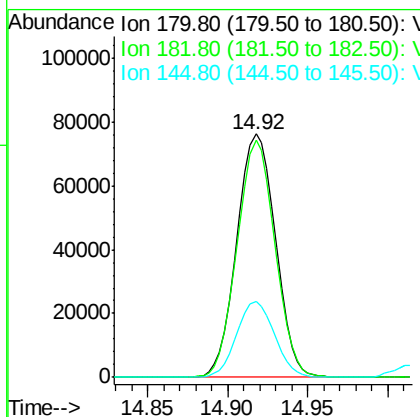
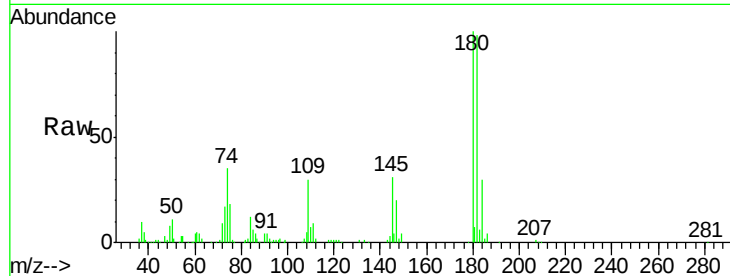
#93
 1,2,4-Trichlorobenzene
 Concen: 19.582 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. -0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	125935		
182	95.4	47.8	143.3	
145	30.5	15.4	46.4	

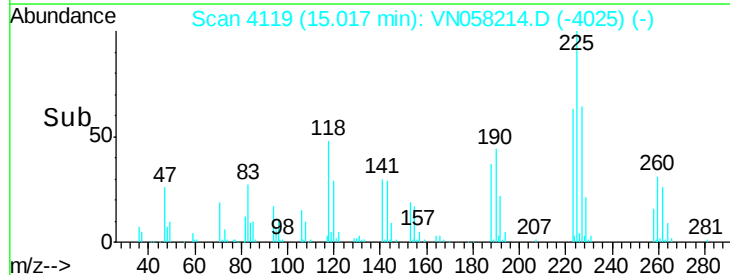
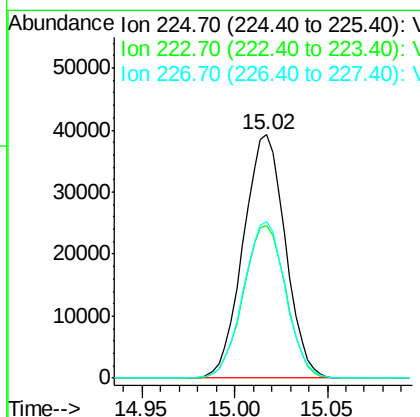
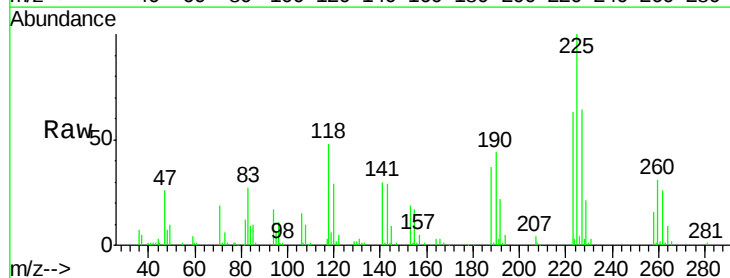
Manual Integrations
 APPROVED

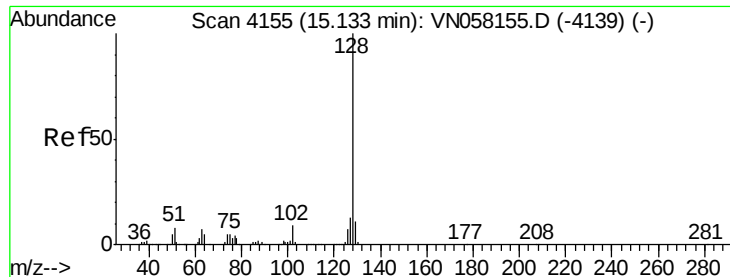
MMDadoda
 9/20/2019 3:37:45 PM



#94
 Hexachlorobutadiene
 Concen: 19.967 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058214.D
 Acq: 19 Sep 2019 19:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	62065		
223	63.6	32.6	97.7	
227	64.7	33.0	99.0	





#95

Naphthalene

Concen: 20.371 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Instrument :

MSVOA_N

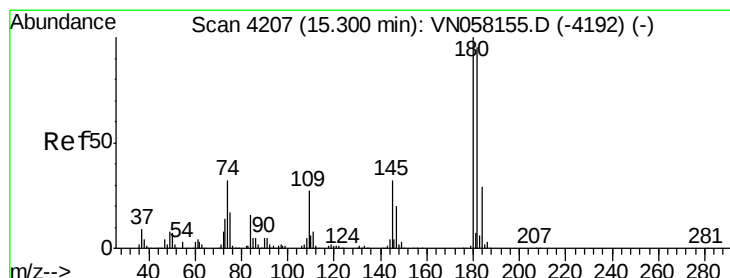
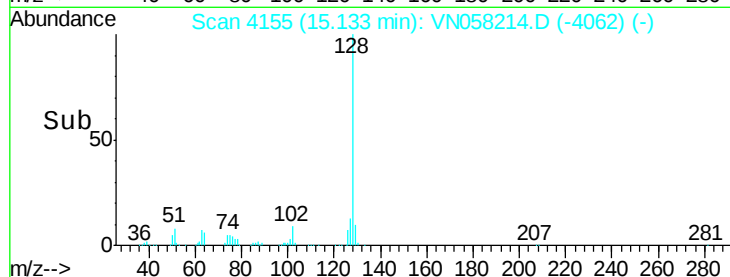
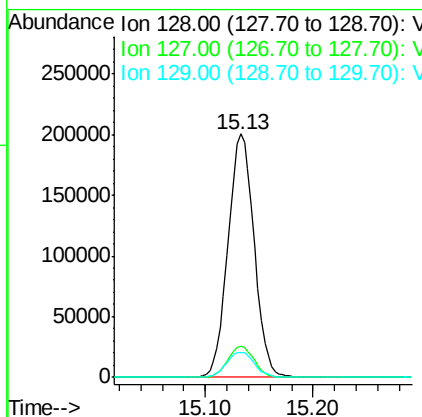
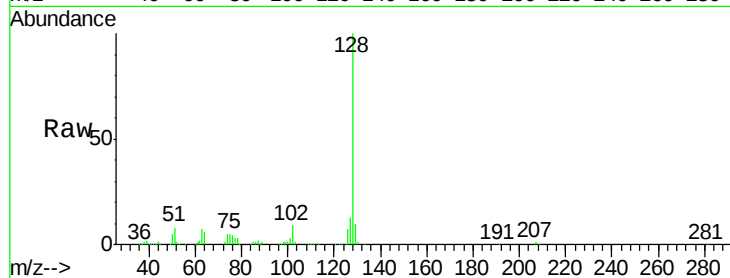
ClientSampleId :

VN0919WBS02

Tot Ion:	128	Resp:	339516
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/20/2019 3:37:45 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.571 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058214.D

Acq: 19 Sep 2019 19:16

Tgt Ion:	180	Resp:	118965
Ion Ratio	Lower	Upper	
180	100		
182	94.2	47.4	142.2
145	32.4	16.1	48.2

