

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110719\
 Data File : VN059109.D
 Acq On : 7 Nov 2019 9:44
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/8/2019 9:39:03 AM

Quant Time: Nov 08 01:25:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	537478	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	849320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	765837	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	360714	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	328296	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.56	113	256481	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.08	98	1017194	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
62) 4-Bromofluorobenzene	12.40	95	372627	51.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	250864	46.325	ug/l	100
3) Chloromethane	2.04	50	334615	45.456	ug/l	99
4) Vinyl Chloride	2.17	62	329857	46.219	ug/l	100
5) Bromomethane	2.54	94	192228	46.805	ug/l	99
6) Chloroethane	2.68	64	193496	45.833	ug/l	100
7) Trichlorofluoromethane	3.00	101	404748	47.414	ug/l	100
8) Diethyl Ether	3.38	74	168102	48.464	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	242039	47.025	ug/l	99
10) Methyl Iodide	3.92	142	319363	50.128	ug/l	99
11) Tert butyl alcohol	4.75	59	290114	230.405	ug/l	98
12) 1,1-Dichloroethene	3.71	96	235162	46.902	ug/l	98
13) Acrolein	3.58	56	146901	226.283	ug/l	98
14) Allyl chloride	4.29	41	487858	47.369	ug/l	98
15) Acrylonitrile	4.95	53	761174	242.908	ug/l	99
16) Acetone	3.79	43	937629	272.903	ug/l	98
17) Carbon Disulfide	4.03	76	701999	45.104	ug/l	100
18) Methyl Acetate	4.29	43	389260	47.732	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	847390	49.090	ug/l	99
20) Methylene Chloride	4.52	84	280330	46.834	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	256488	47.658	ug/l	98
22) Diisopropyl ether	5.92	45	951242	48.898	ug/l	99
23) Vinyl Acetate	5.86	43	3953050	262.195	ug/l	100
24) 1,1-Dichloroethane	5.82	63	525825	48.395	ug/l	99
25) 2-Butanone	6.80	43	1134905	250.634	ug/l	100
26) 2,2-Dichloropropane	6.80	77	447177	47.068	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	300812	48.178	ug/l	99
28) Bromochloromethane	7.17	49	157982	48.329	ug/l	99
29) Tetrahydrofuran	7.18	42	687633	238.996	ug/l	99
30) Chloroform	7.35	83	493220	47.321	ug/l	100
31) Cyclohexane	7.63	56	475200	46.199	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	425312	48.535	ug/l	99
36) 1,1-Dichloropropene	7.77	75	380682	47.953	ug/l	99
37) Ethyl Acetate	6.90	43	419835	47.538	ug/l	99
38) Carbon Tetrachloride	7.75	117	371281	46.989	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	454538	49.334	ug/l	100
40) Benzene	8.02	78	1148161	48.028	ug/l	99
41) Methacrylonitrile	7.15	41	181972m	47.384	ug/l	
42) 1,2-Dichloroethane	8.10	62	393445	47.986	ug/l	100
43) Isopropyl Acetate	8.14	43	673497	47.835	ug/l	99
44) Trichloroethene	8.81	130	282833	48.129	ug/l	99
45) 1,2-Dichloropropane	9.10	63	316748	48.781	ug/l	100
46) Dibromomethane	9.19	93	192065	47.467	ug/l	100
47) Bromodichloromethane	9.39	83	391890	48.502	ug/l	97
48) Methyl methacrylate	9.18	41	303568	48.202	ug/l	97
49) 1,4-Dioxane	9.18	88	104901	937.276	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	2067175	259.479	ug/l	99
52) Toluene	10.14	92	700988	48.922	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	458899	49.160	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	494321	49.229	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	273752	47.207	ug/l	99
56) Ethyl methacrylate	10.42	69	441135	45.774	ug/l	100
57) 1,3-Dichloropropane	10.70	76	482586	48.353	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	863597	267.595	ug/l	100
59) 2-Hexanone	10.74	43	1602993	262.151	ug/l	99
60) Dibromochloromethane	10.90	129	301711	49.210	ug/l	100
61) 1,2-Dibromoethane	11.00	107	283483	48.291	ug/l	99
64) Tetrachloroethene	10.62	164	247321	47.493	ug/l	98
65) Chlorobenzene	11.43	112	729330	48.853	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	274404	48.998	ug/l	99
67) Ethyl Benzene	11.51	91	1340774	50.619	ug/l	99
68) m/p-Xylenes	11.62	106	997239	100.508	ug/l	99
69) o-Xylene	11.94	106	473887	49.422	ug/l	99
70) Styrene	11.96	104	787870	52.245	ug/l	100
71) Bromoform	12.12	173	218290	50.111	ug/l #	100
73) Isopropylbenzene	12.25	105	1302094	49.625	ug/l	100
74) N-amyl acetate	12.07	43	560471	50.410	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	421933	47.220	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	388699m	47.332	ug/l	
77) Bromobenzene	12.53	156	307251	46.608	ug/l	98
78) n-propylbenzene	12.59	91	1516512	50.478	ug/l	99
79) 2-Chlorotoluene	12.67	91	899971	48.289	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1108010	49.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	153902	49.499	ug/l	99
82) 4-Chlorotoluene	12.77	91	922932	49.374	ug/l	99
83) tert-Butylbenzene	12.99	119	925864	48.222	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1092344	50.782	ug/l	100
85) sec-Butylbenzene	13.17	105	1260742	50.489	ug/l	100
86) p-Isopropyltoluene	13.29	119	1142692	51.827	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	555358	49.197	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	547295	48.457	ug/l	100
89) n-Butylbenzene	13.62	91	1002769	51.964	ug/l	100
90) Hexachloroethane	13.88	117	210347	47.511	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	543030	48.901	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	84248	47.260	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	309017	46.118	ug/l	99
94) Hexachlorobutadiene	15.01	225	177747	46.422	ug/l	99
95) Naphthalene	15.13	128	822780	44.382	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	302129	48.548	ug/l	99

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

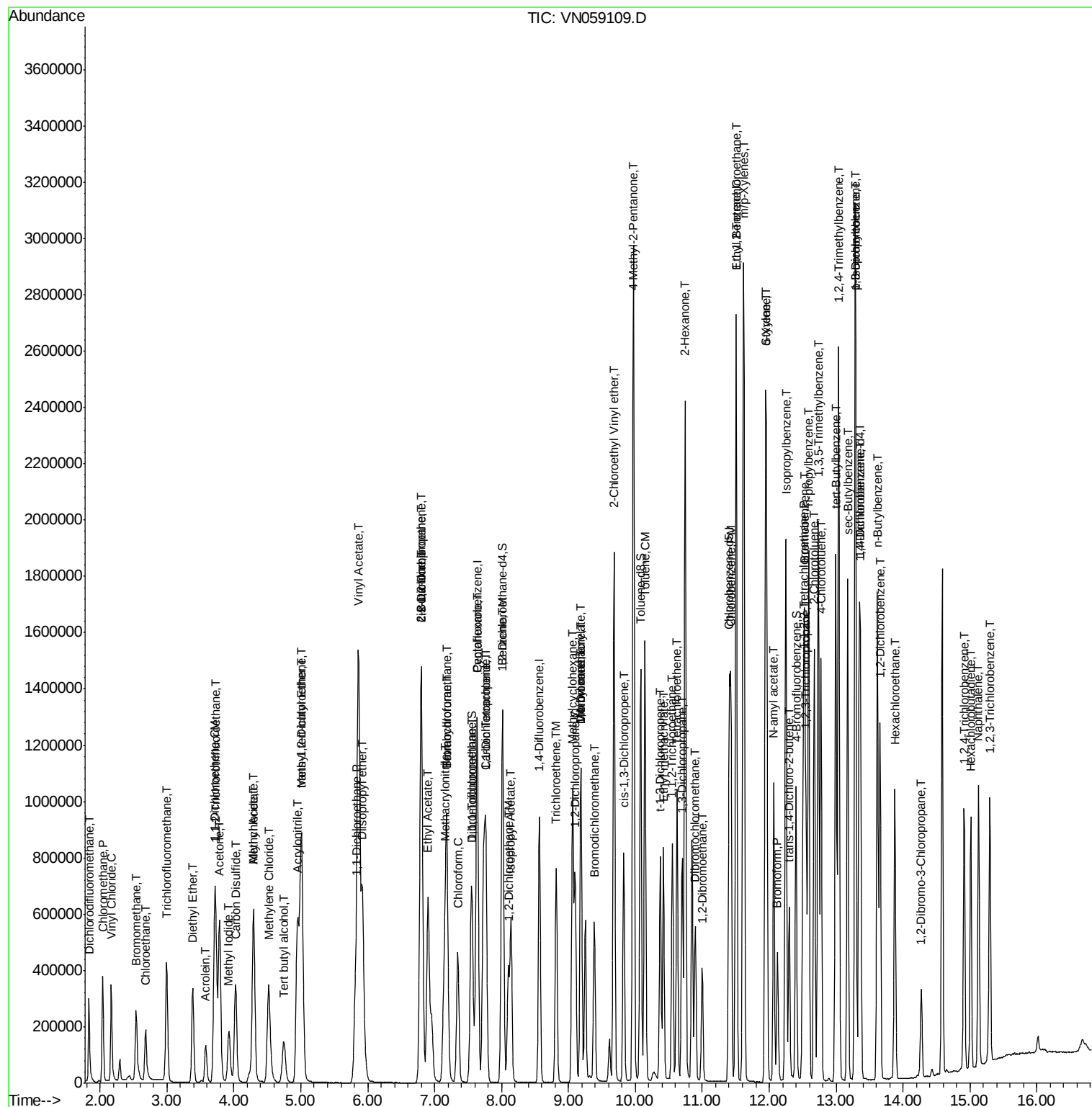
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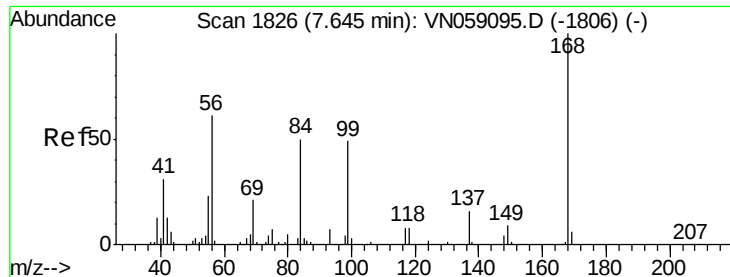
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 537478

Ion Ratio Lower Upper

168 100

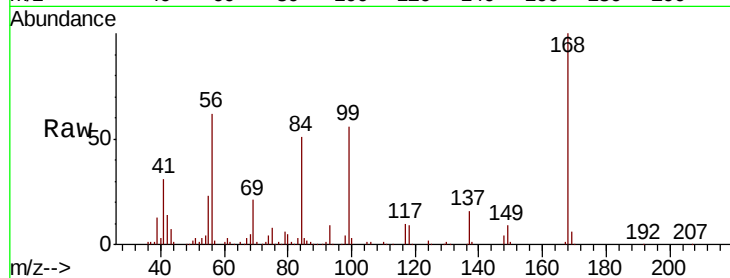
99 55.8 45.7 68.5

Manual Integrations

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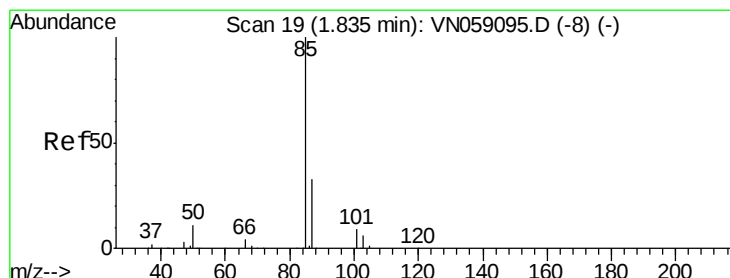
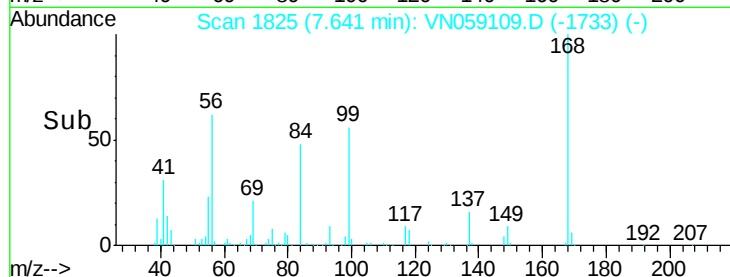
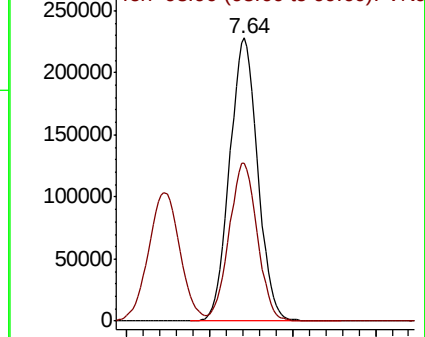
MMDadoda

11/8/2019 9:39:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 46.325 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059109.D

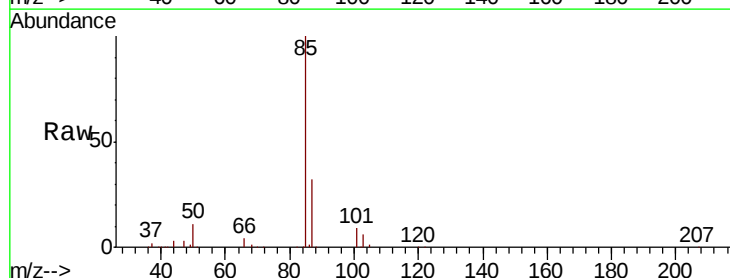
Acq: 7 Nov 2019 9:44

Tgt Ion: 85 Resp: 250864

Ion Ratio Lower Upper

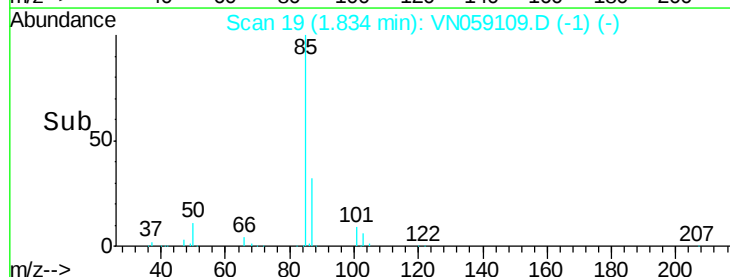
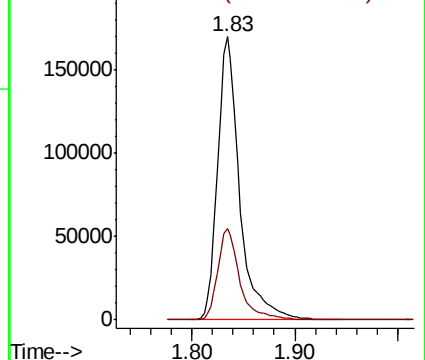
85 100

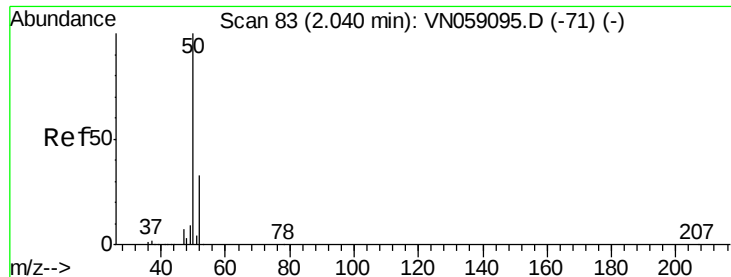
87 32.4 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.456 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tot Ion: 50 Resp: 334615

Ion Ratio Lower Upper

50 100

52 33.1 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

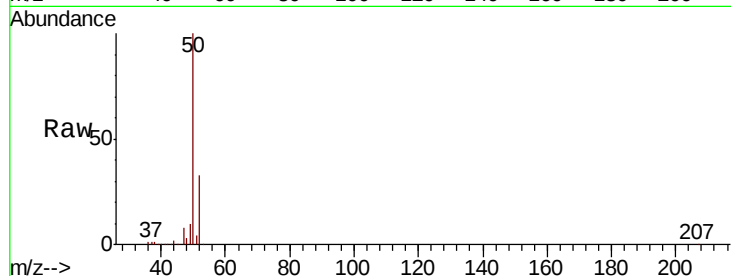
VSTDCCC050

Manual Integrations

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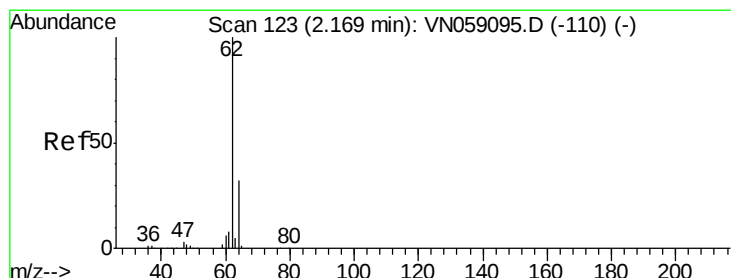
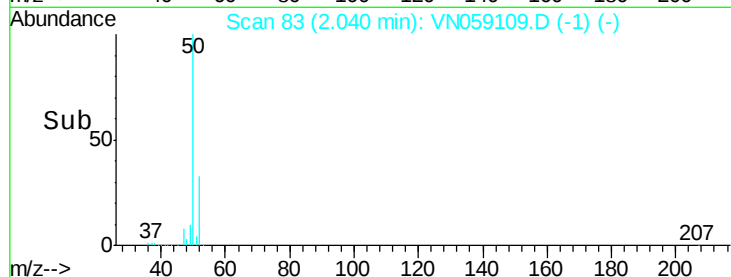
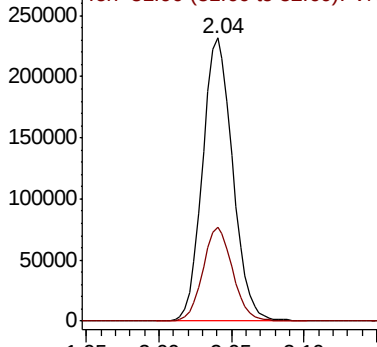
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 46.219 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059109.D

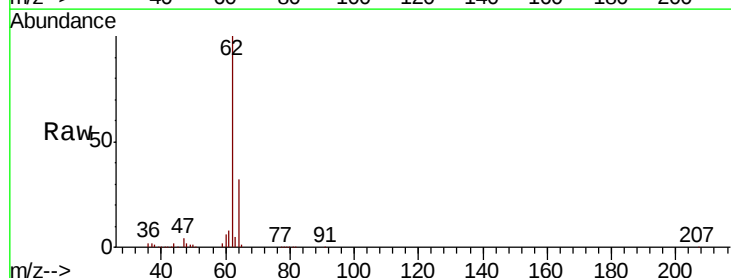
Acq: 7 Nov 2019 9:44

Tgt Ion: 62 Resp: 329857

Ion Ratio Lower Upper

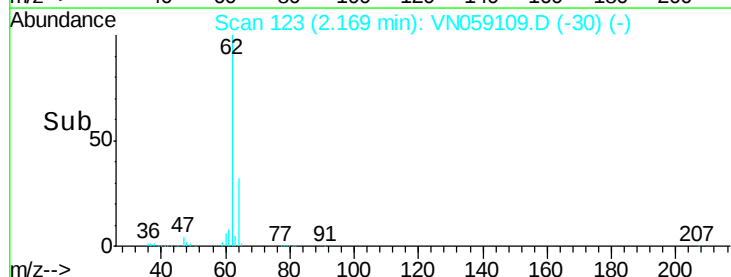
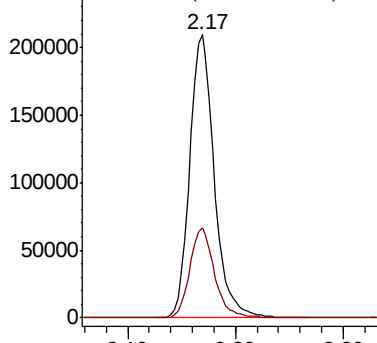
62 100

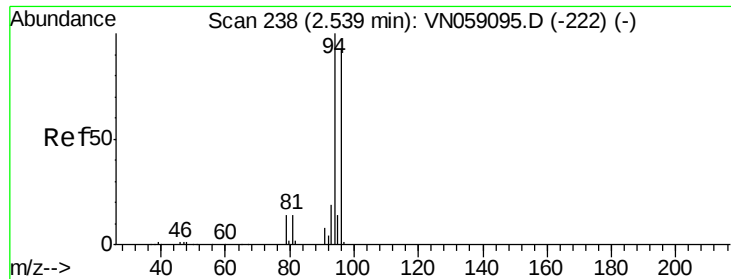
64 31.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 46.805 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

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Tot Ion: 94 Resp: 192228

Ion Ratio Lower Upper

94 100

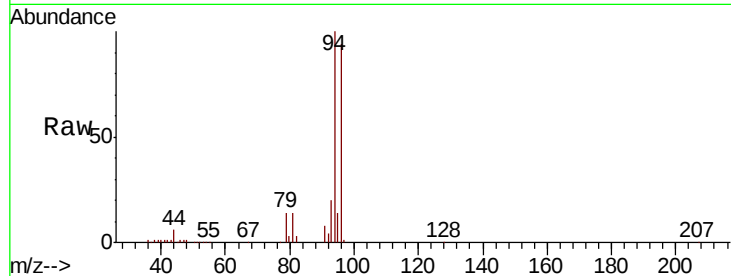
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Manual Integrations

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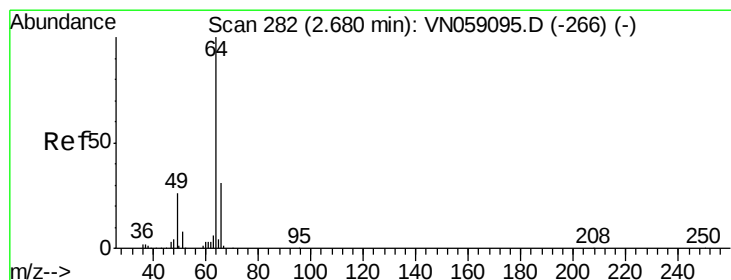
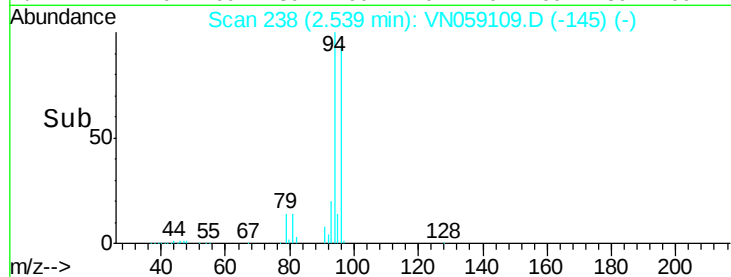
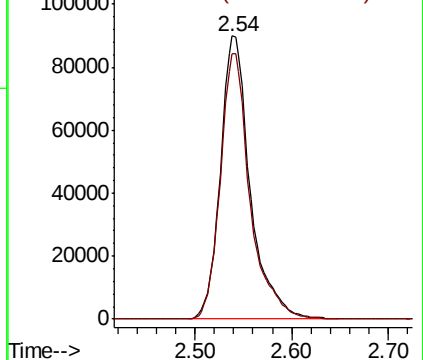
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Abundance Ion 93.90 (93.60 to 94.60): VN059109.D (-145) (-)

Ion 95.90 (95.60 to 96.60): VN059109.D (-145) (-)



#6

Chloroethane

Concen: 45.833 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059109.D

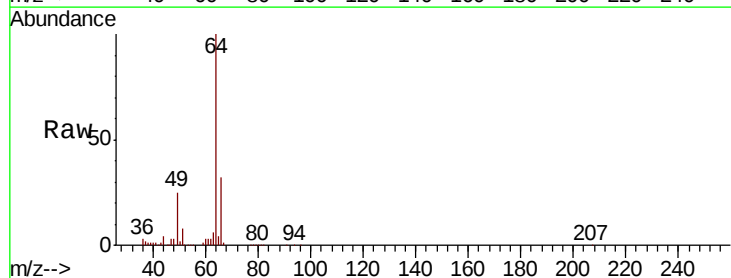
Acq: 7 Nov 2019 9:44

Tgt Ion: 64 Resp: 193496

Ion Ratio Lower Upper

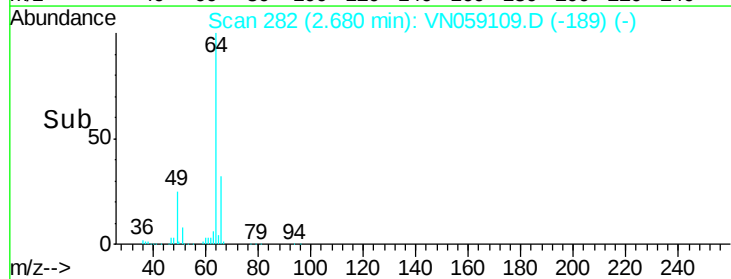
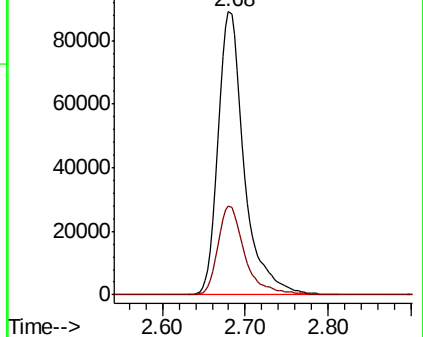
64 100

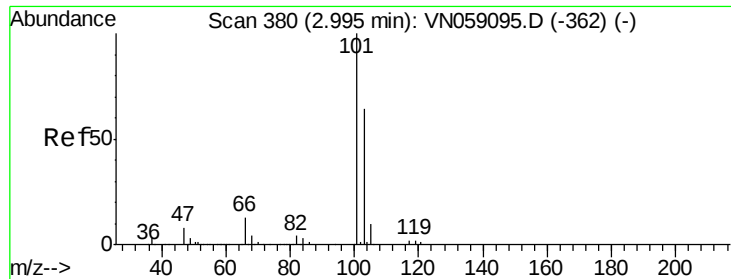
66 31.6 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN059109.D (-189) (-)

Ion 65.90 (65.60 to 66.60): VN059109.D (-189) (-)





#7

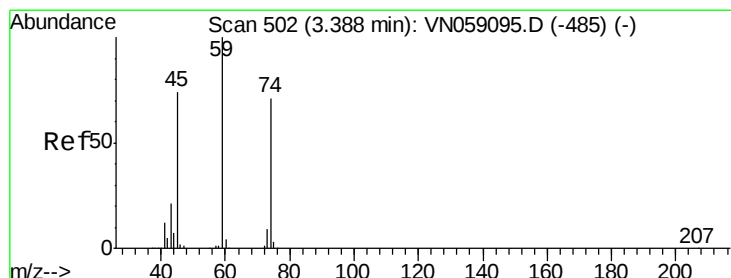
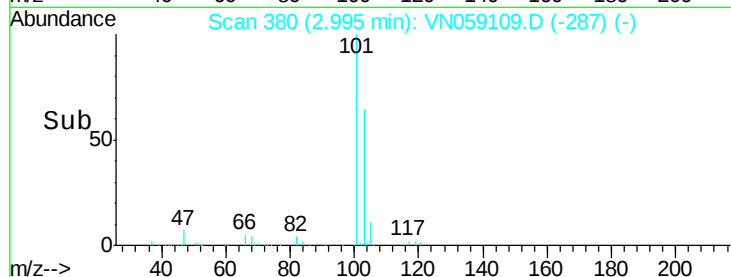
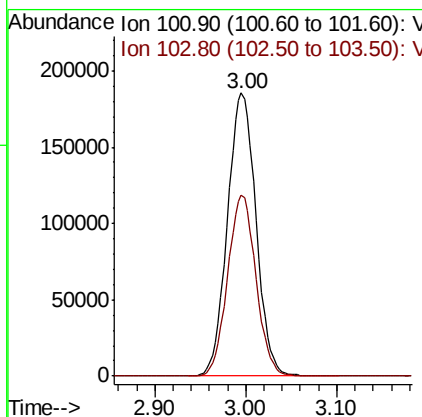
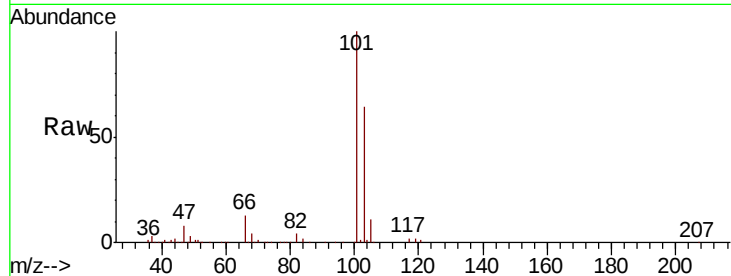
Trichlorofluoromethane
Concen: 47.414 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059109.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

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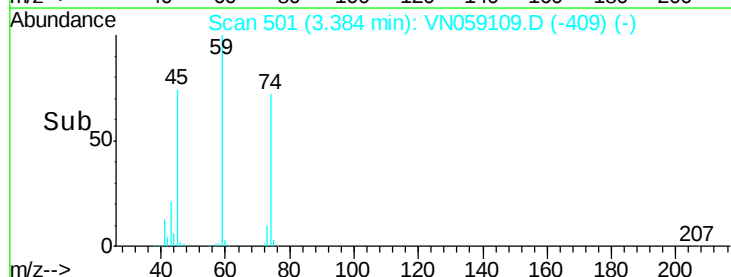
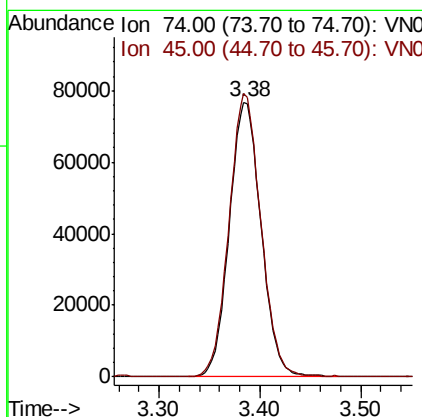
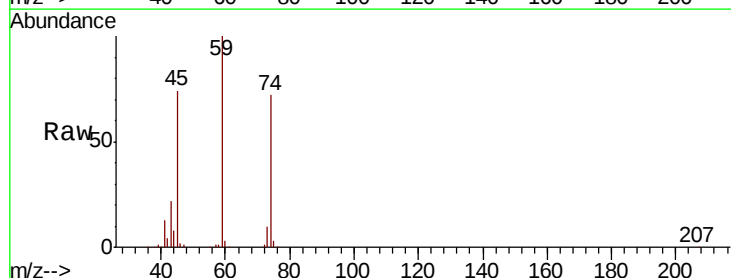
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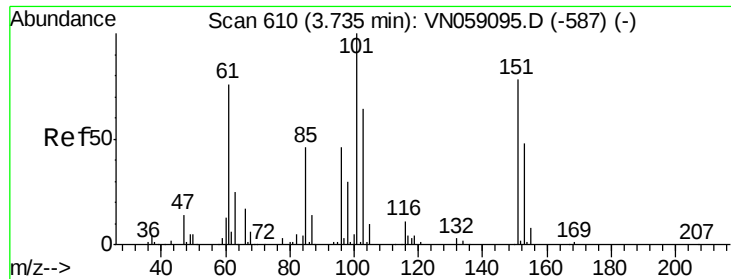


#8

Diethyl Ether
Concen: 48.464 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.6	51.6	154.9





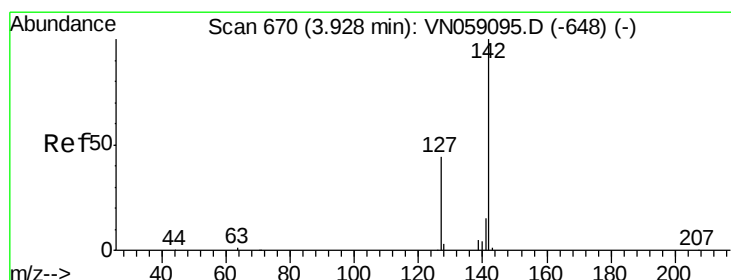
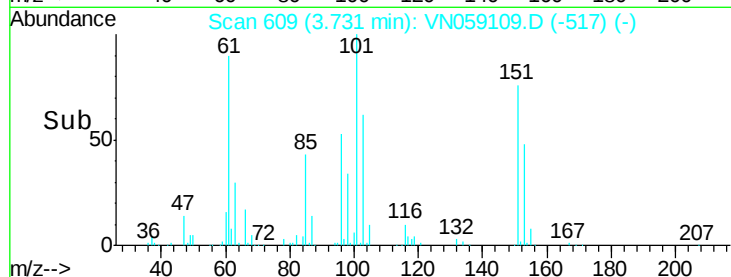
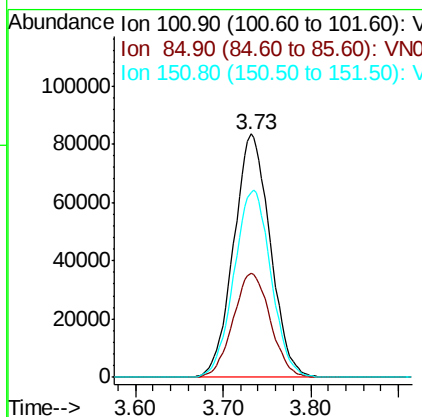
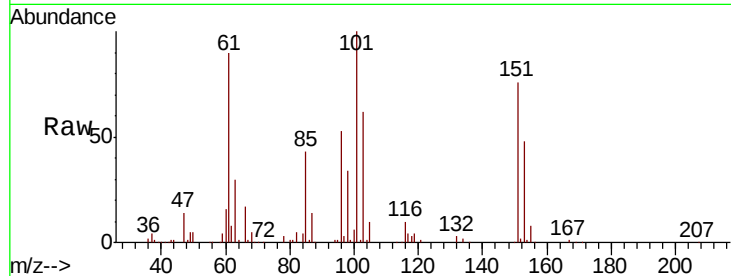
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.025 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	242039		
85	43.5		35.5	53.3
151	78.0		62.2	93.2

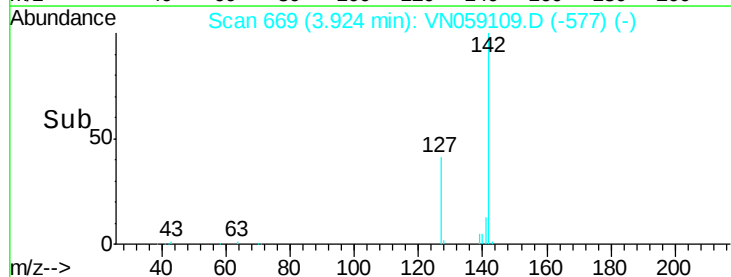
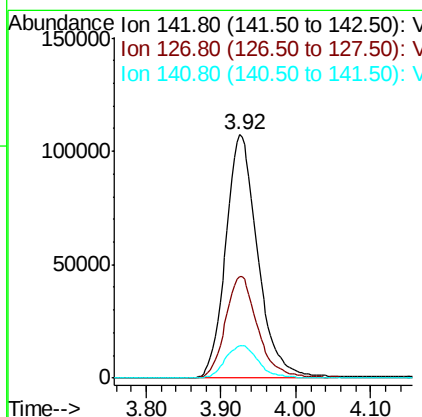
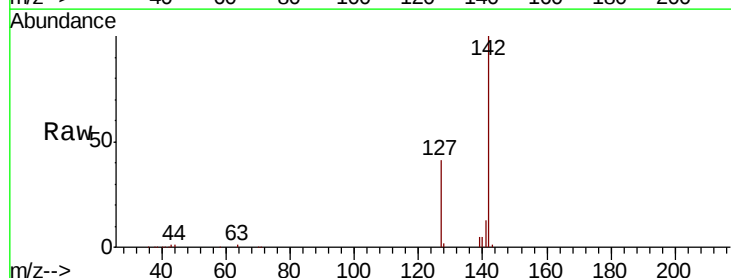
Manual Integrations
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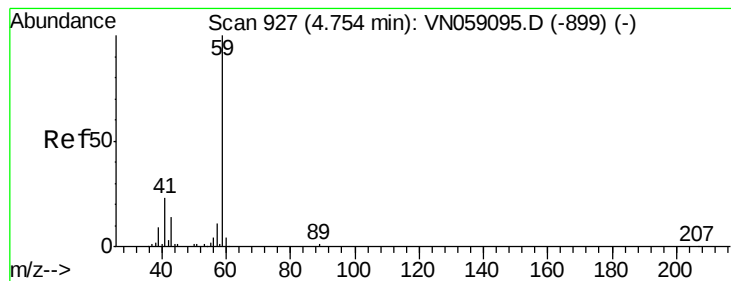
MMDadoda
 11/8/2019 9:39:03 AM



#10
 Methyl Iodide
 Concen: 50.128 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	319363		
127	42.1		34.2	51.2
141	14.0		11.4	17.0





#11

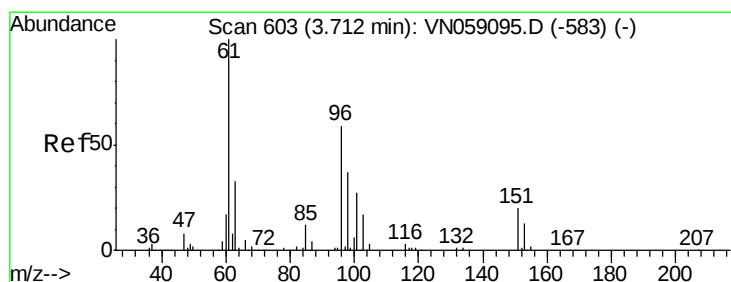
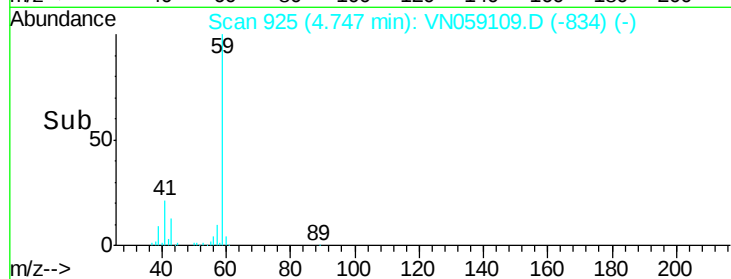
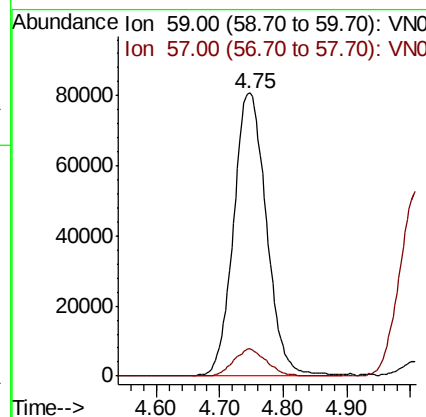
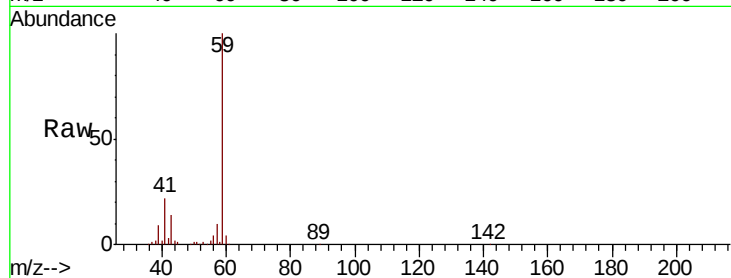
Tert butyl alcohol
 Concen: 230.405 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.3	12.5

Manual Integrations
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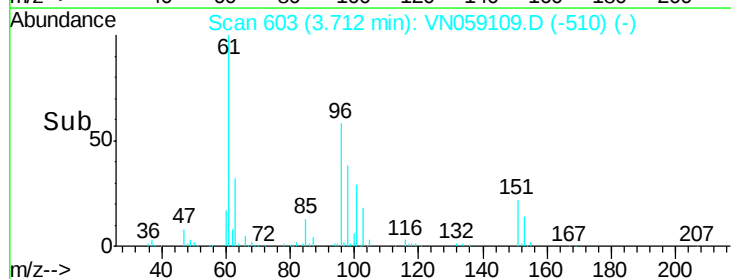
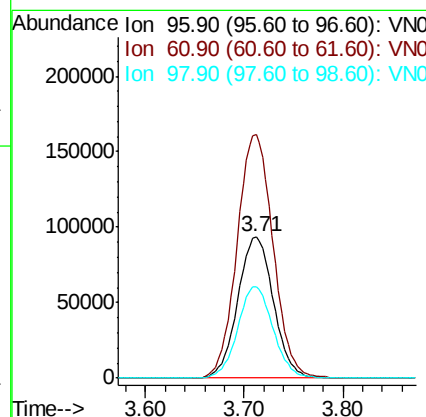
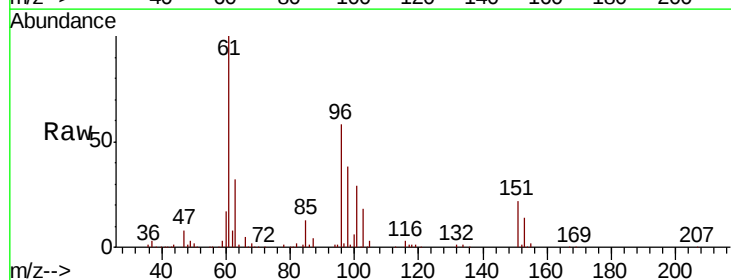
MMDadoda
 11/8/2019 9:39:03 AM

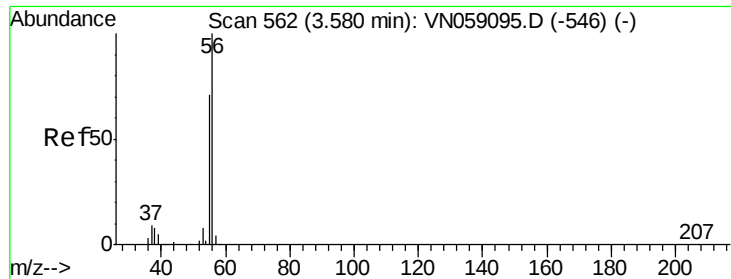


#12

1,1-Dichloroethene
 Concen: 46.902 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.2	136.5	204.7
98	64.8	50.2	75.4





#13

Acrolein

Concen: 226.283 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 146901

Ion Ratio Lower Upper

56 100

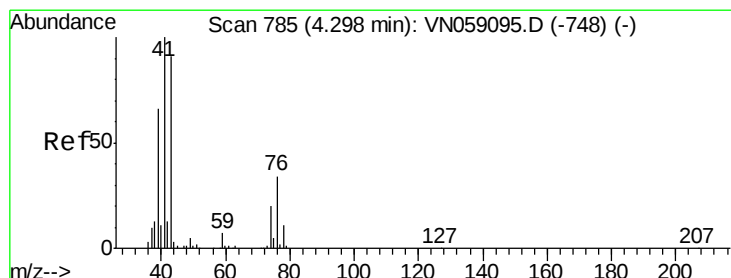
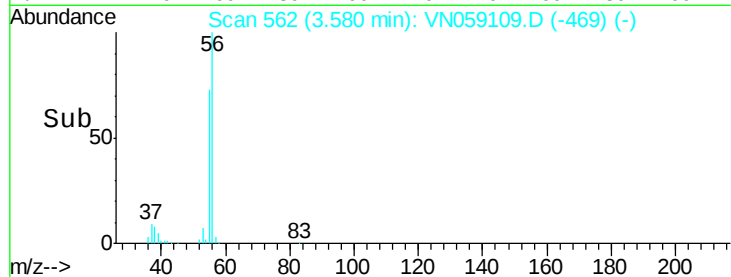
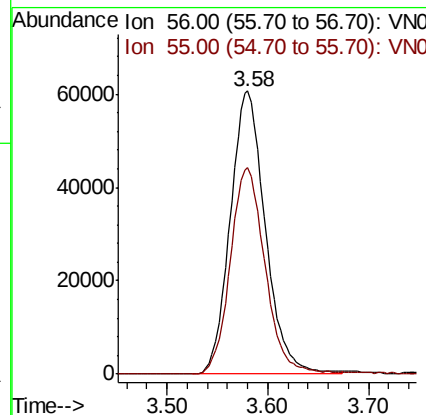
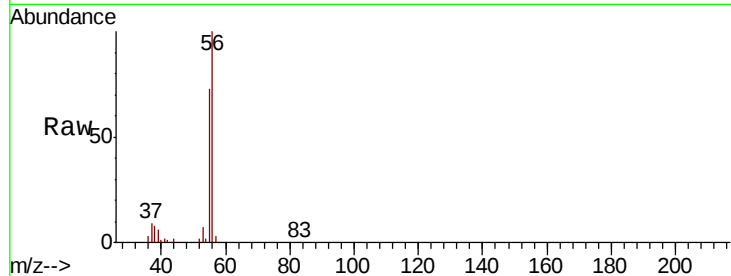
55 72.0 56.4 84.6

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#14

Allyl chloride

Concen: 47.369 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

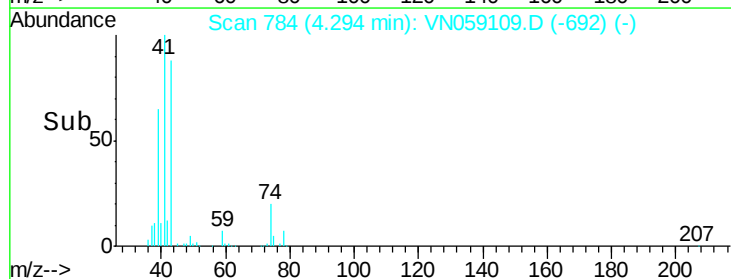
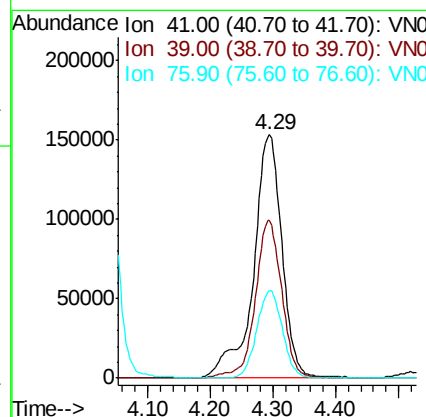
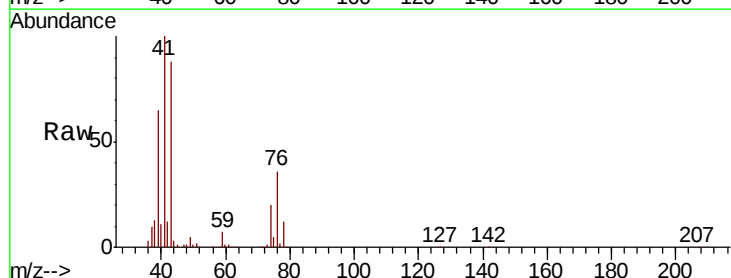
Tgt Ion: 41 Resp: 487858

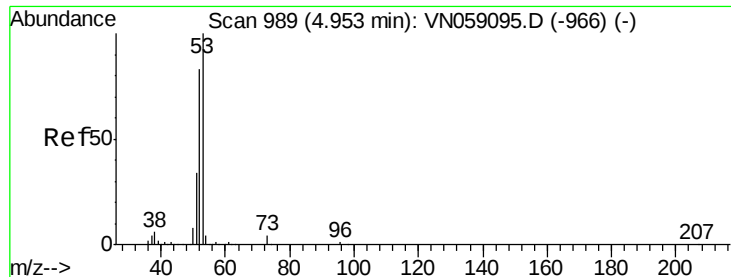
Ion Ratio Lower Upper

41 100

39 59.9 49.1 73.7

76 31.8 24.9 37.3





#15

Acrylonitrile

Concen: 242.908 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

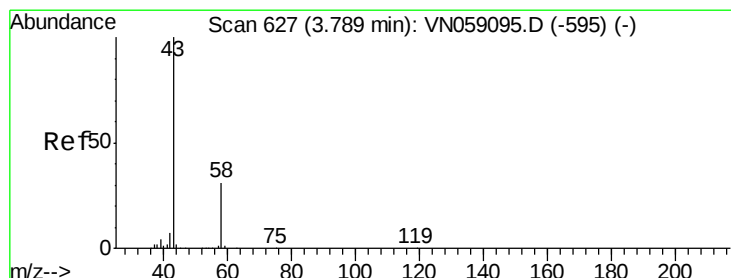
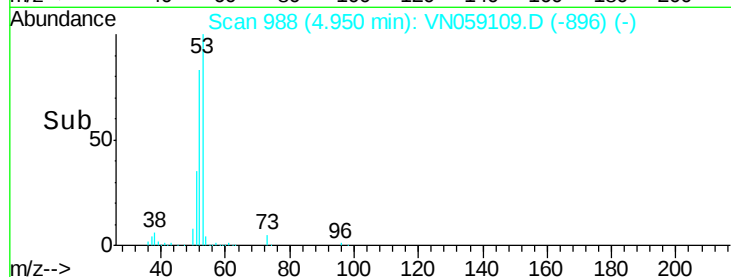
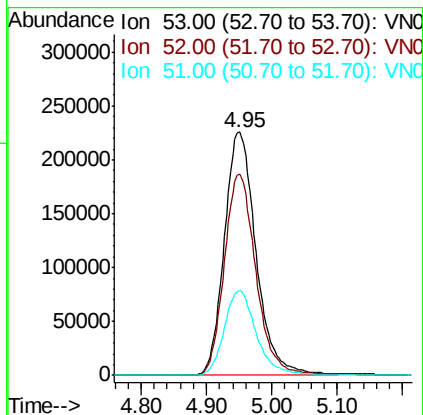
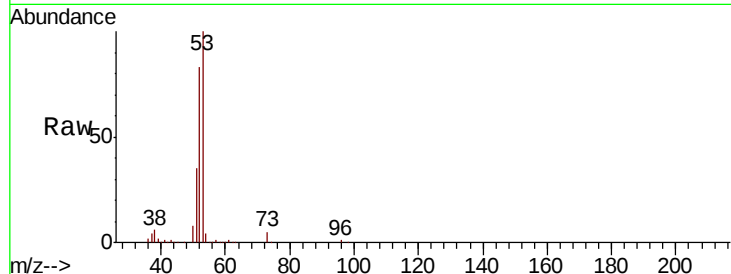
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	761174
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.0	97.6
51	35.4	28.0	42.0

Manual Integrations
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#16

Acetone

Concen: 272.903 ug/l

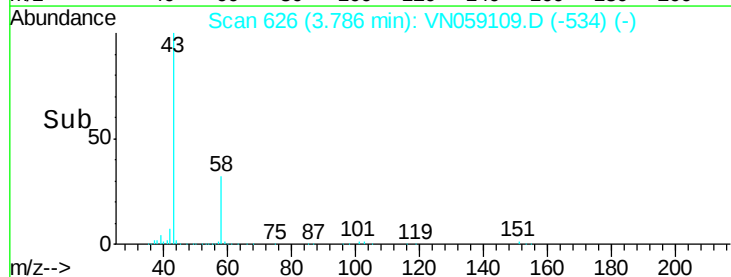
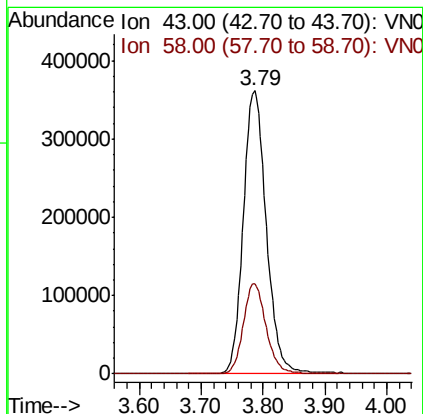
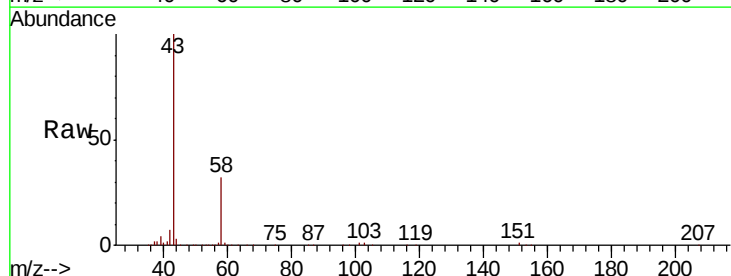
RT: 3.79 min Scan# 626

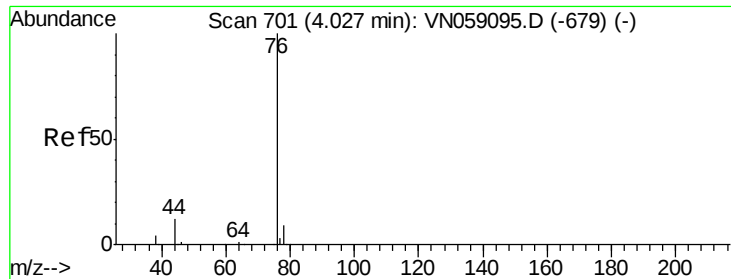
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	43	Resp:	937629
Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.9	37.3





#17

Carbon Disulfide

Concen: 45.104 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 701999

Ion Ratio Lower Upper

76 100

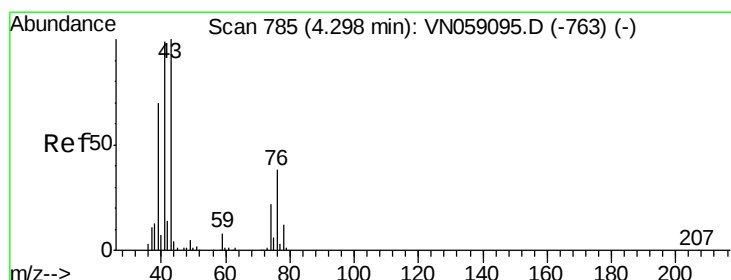
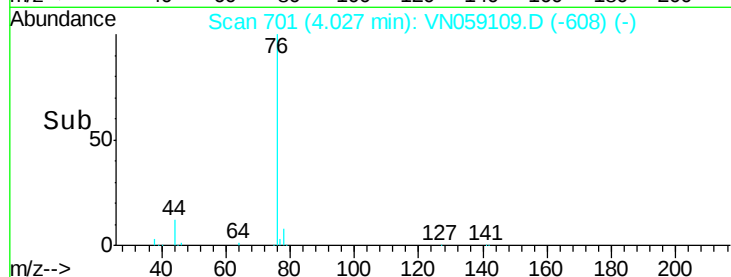
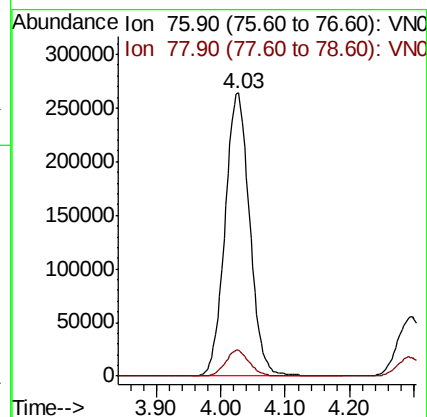
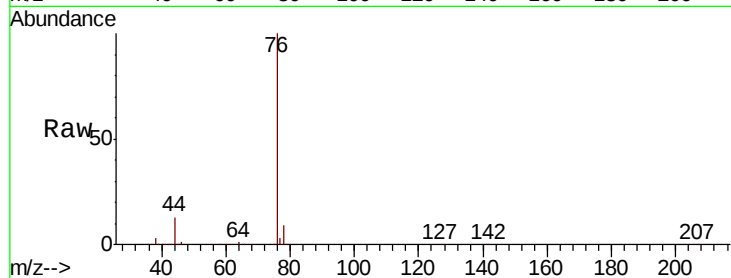
78 9.1 7.4 11.0

Manual Integrations

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MMDadoda

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#18

Methyl Acetate

Concen: 47.732 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059109.D

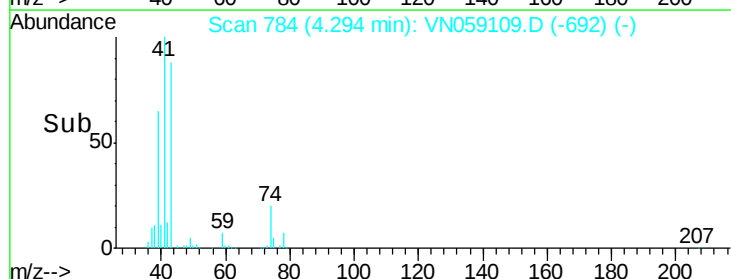
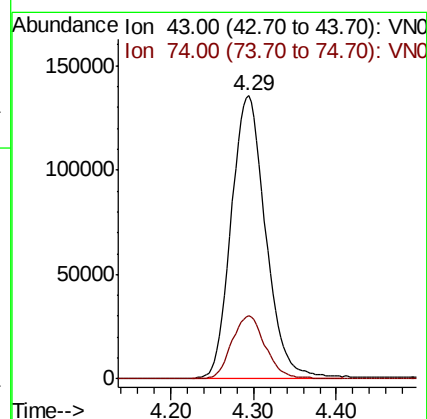
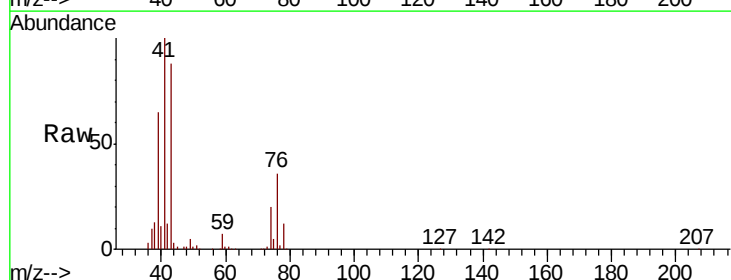
Acq: 7 Nov 2019 9:44

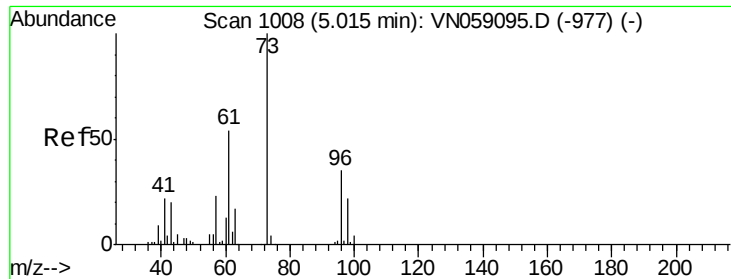
Tgt Ion: 43 Resp: 389260

Ion Ratio Lower Upper

43 100

74 22.1 17.8 26.8





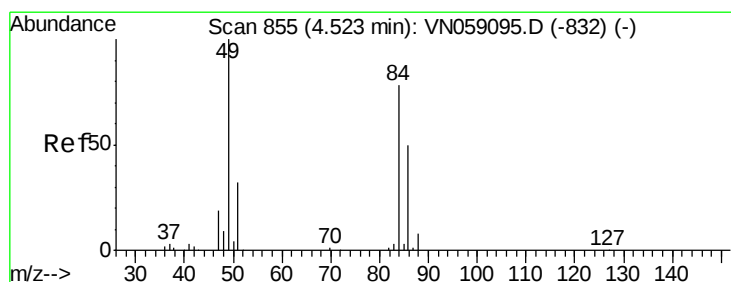
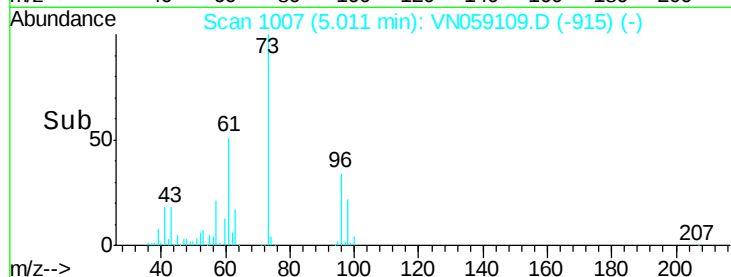
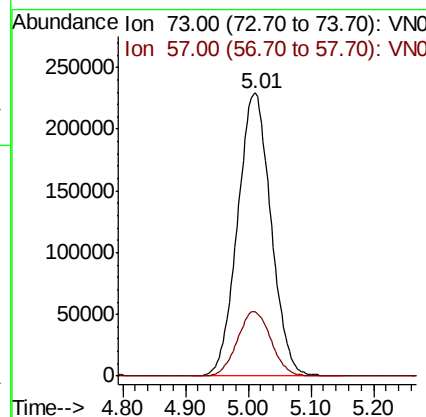
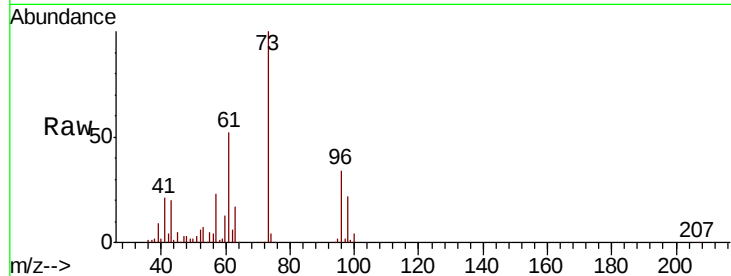
#19
Methvl tert-butvl Ether
Concen: 49.090 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 847390
Ion Ratio Lower Upper
73 100
57 22.7 18.4 27.6

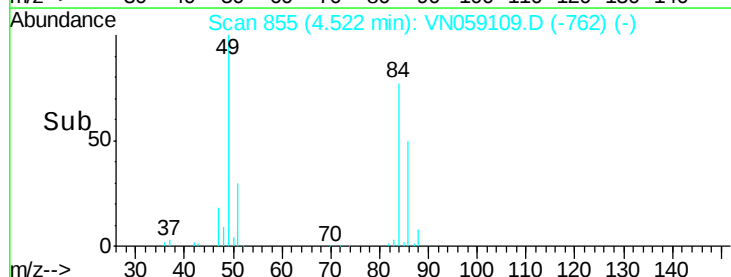
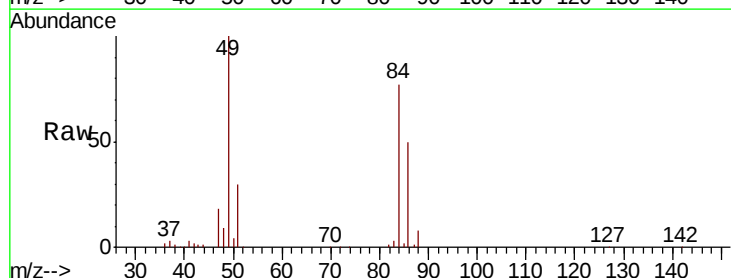
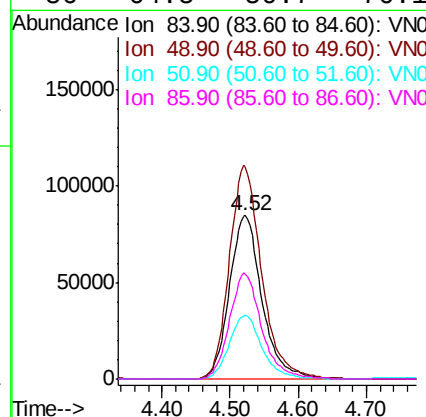
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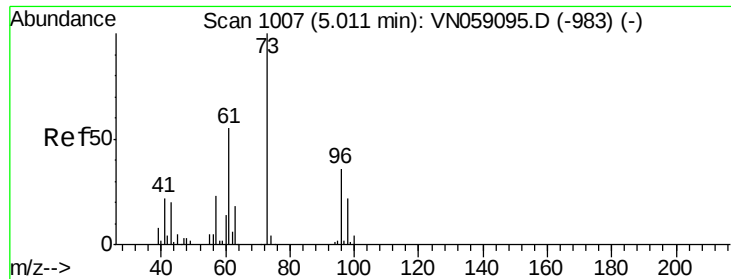
MMDadoda
11/8/2019 9:39:03 AM



#20
Methylene Chloride
Concen: 46.834 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 84 Resp: 280330
Ion Ratio Lower Upper
84 100
49 129.6 102.0 153.0
51 39.0 32.2 48.2
86 64.5 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 47.658 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 256488

Ion Ratio Lower Upper

96 100

61 149.4 122.6 183.8

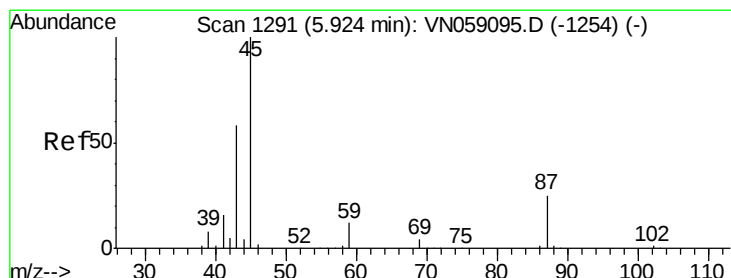
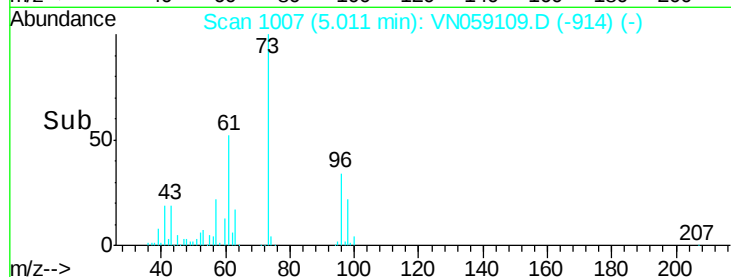
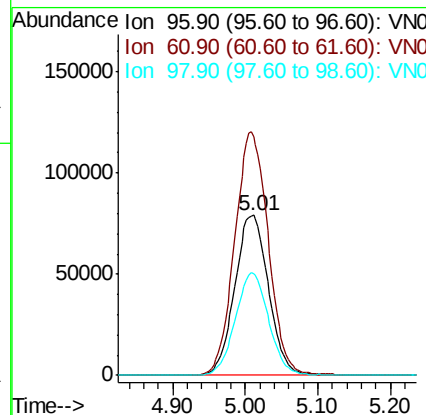
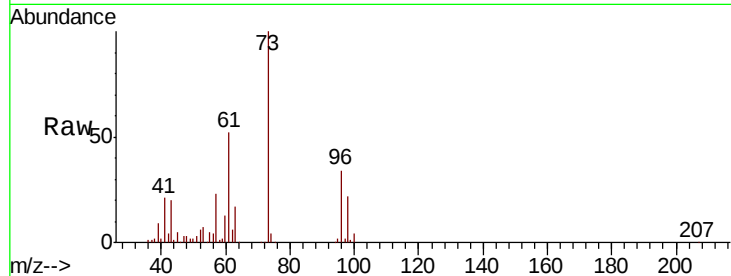
98 63.8 50.3 75.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 48.898 ug/l

RT: 5.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion: 45 Resp: 951242

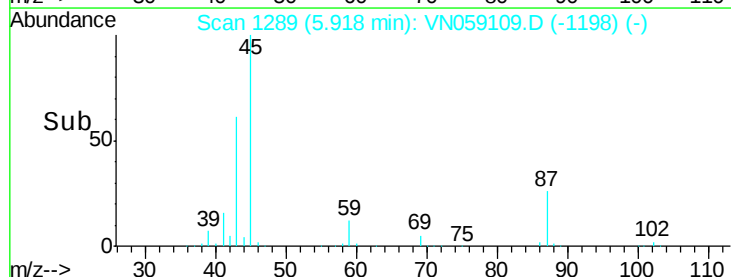
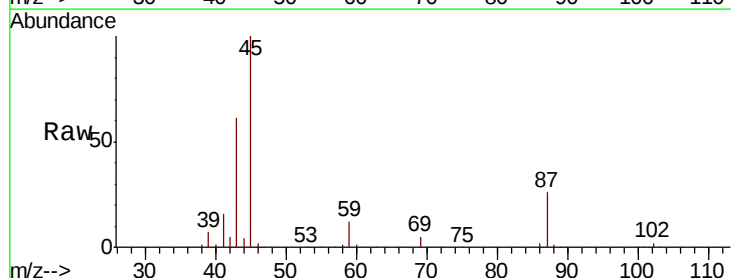
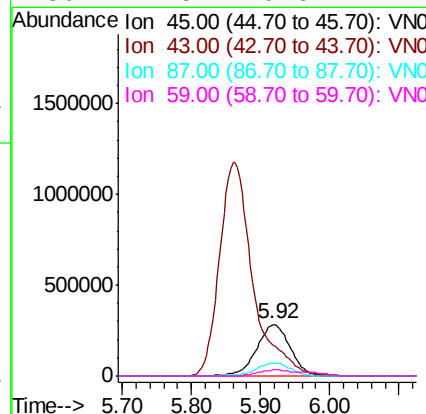
Ion Ratio Lower Upper

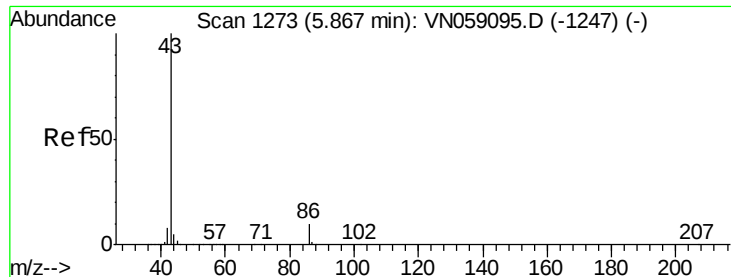
45 100

43 59.9 46.7 70.1

87 25.8 20.5 30.7

59 11.5 9.6 14.4





#23

Vinyl Acetate

Concen: 262.195 ug/l

RT: 5.86 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 43 Resp: 3953050

Ion Ratio Lower Upper

43 100

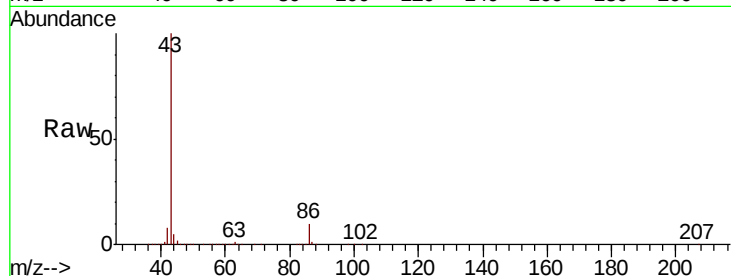
86 9.6 7.7 11.5

Manual Integrations

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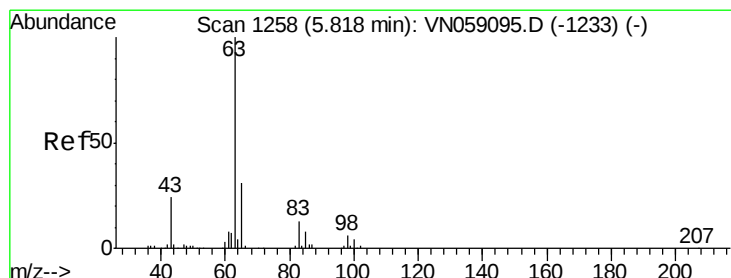
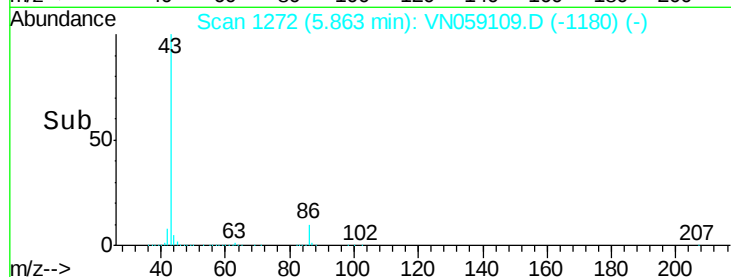
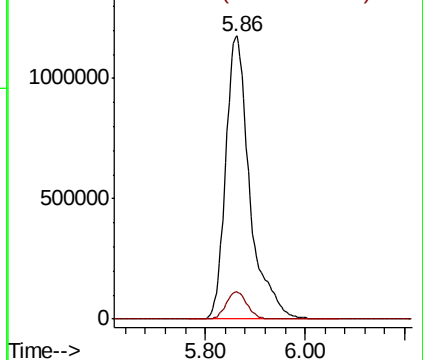
MMDadoda

11/8/2019 9:39:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 48.395 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

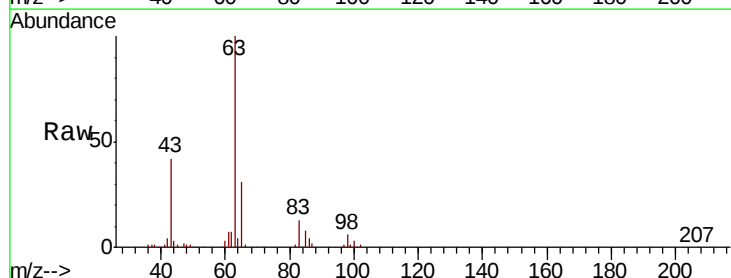
Tgt Ion: 63 Resp: 525825

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

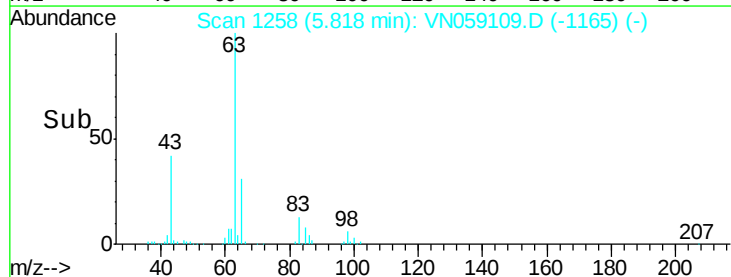
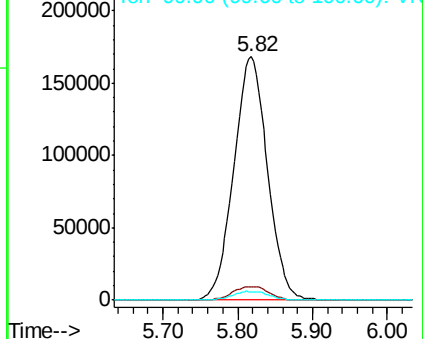
100 3.3 1.9 5.7

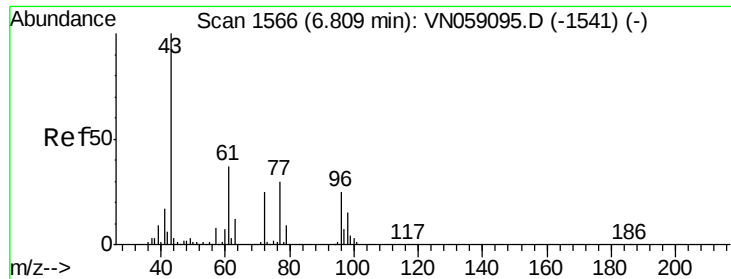


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 250.634 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1134905

Ion Ratio Lower Upper

43 100

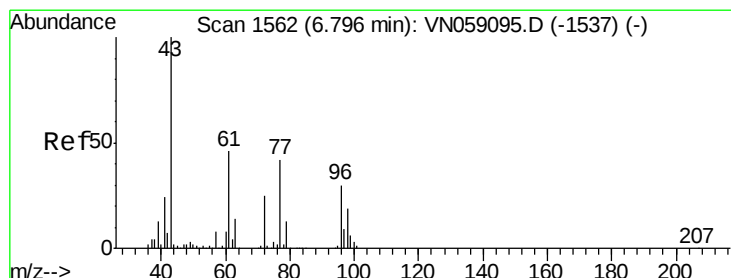
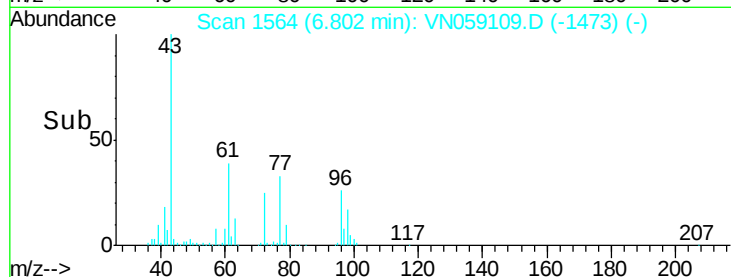
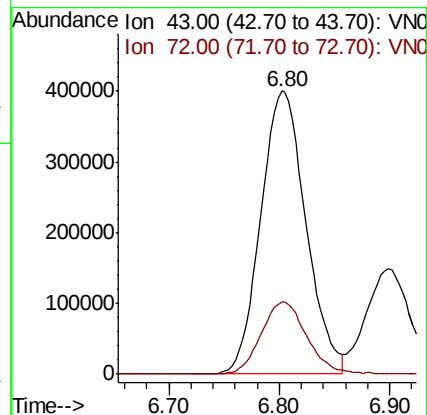
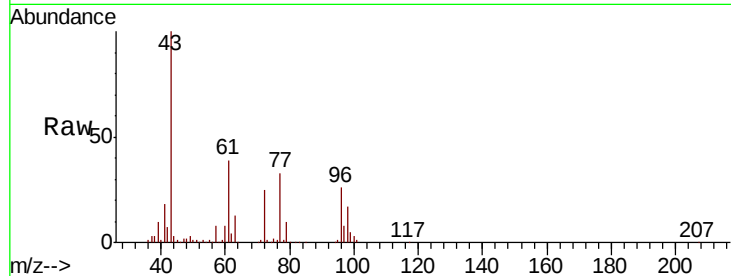
72 25.5 20.3 30.5

Manual Integrations

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11/8/2019 9:39:03 AM



#26

2,2-Dichloropropane

Concen: 47.068 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059109.D

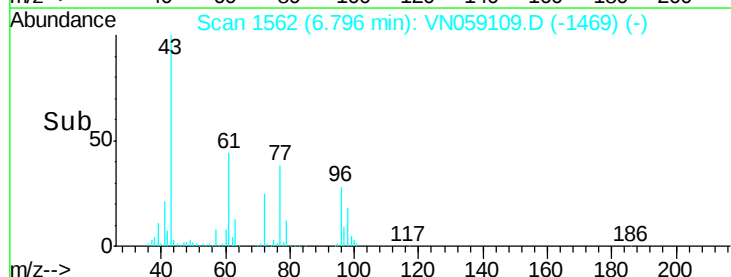
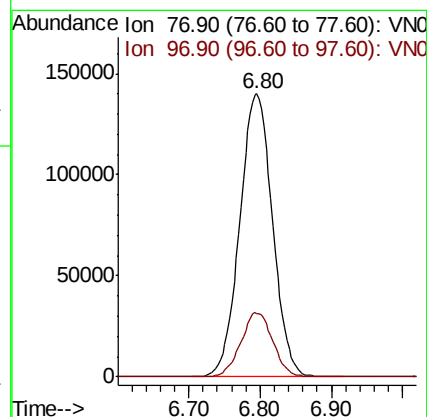
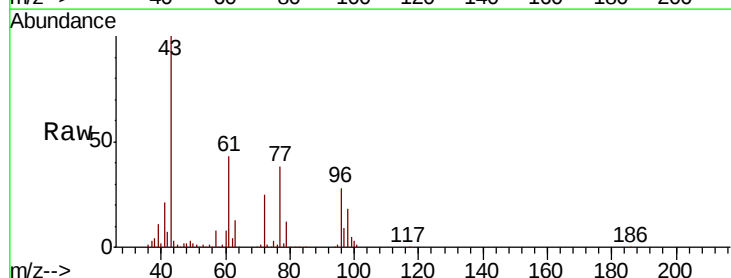
Acq: 7 Nov 2019 9:44

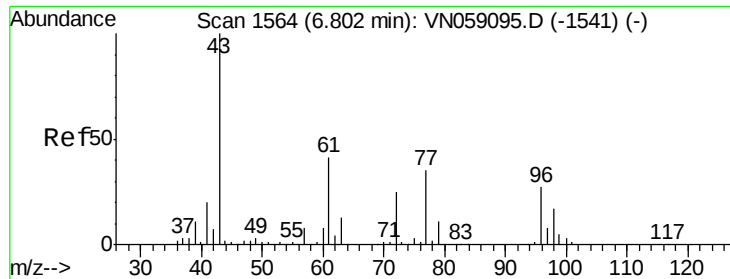
Tgt Ion: 77 Resp: 447177

Ion Ratio Lower Upper

77 100

97 22.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 48.178 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

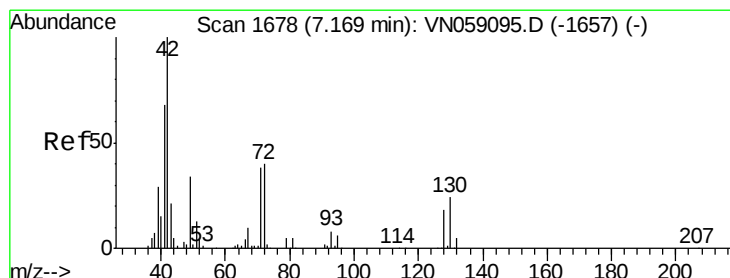
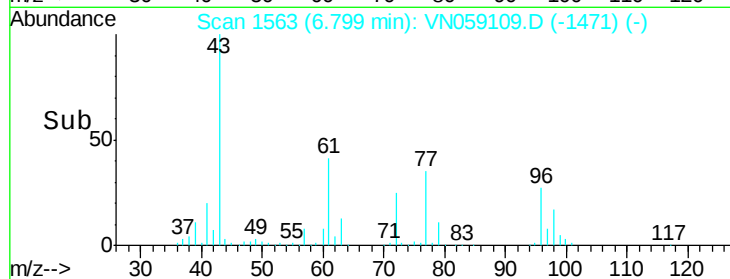
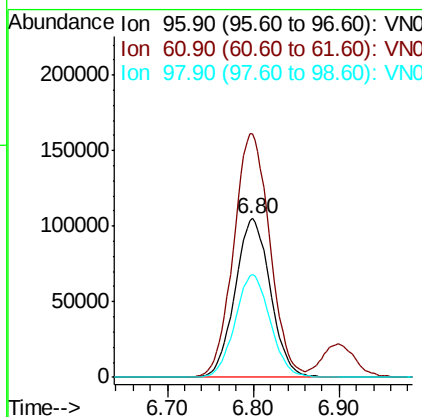
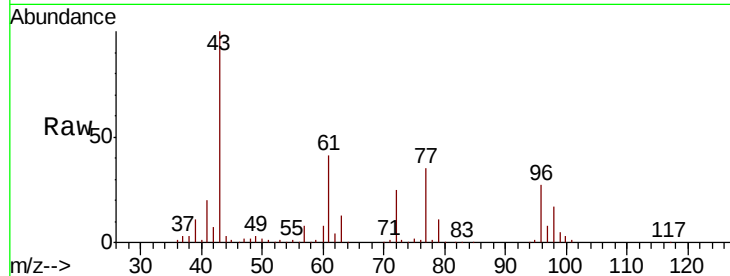
ClientSampled :

VSTDCCC050

Tot Ion:	96	Resp:	300812
Ion Ratio	Lower	Upper	
96	100		
61	156.7	0.0	311.6
98	64.4	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 48.329 ug/l

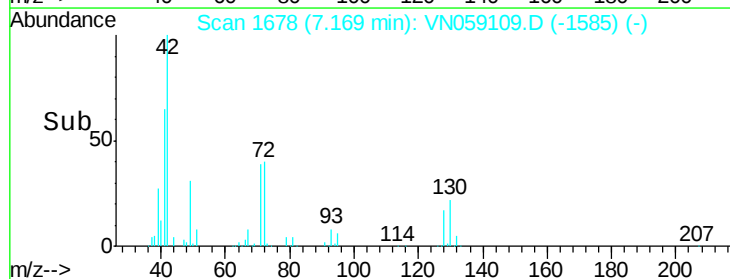
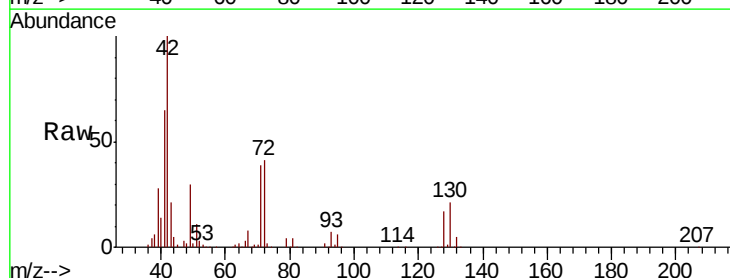
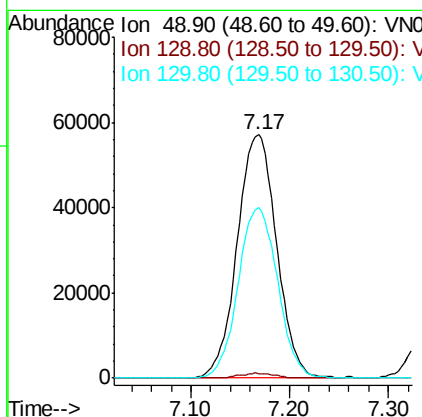
RT: 7.17 min Scan# 1678

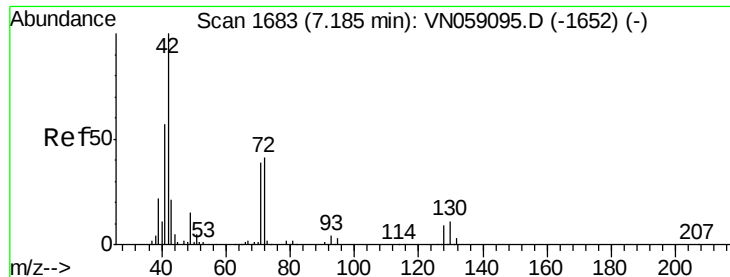
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	49	Resp:	157982
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	70.2	55.6	83.4





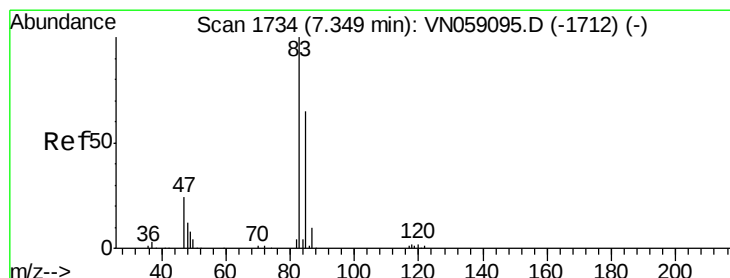
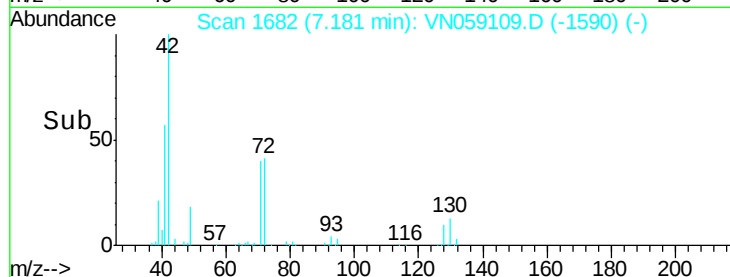
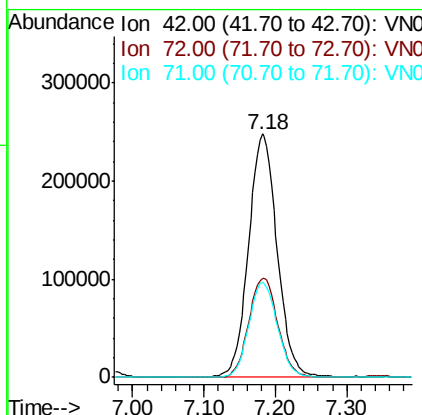
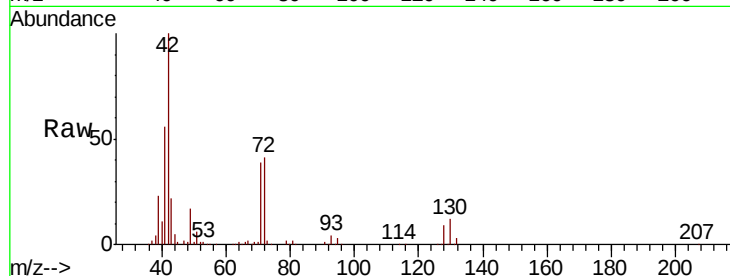
#29
Tetrahydrofuran
Concen: 238.996 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	33.1	49.7
71	39.3	30.9	46.3

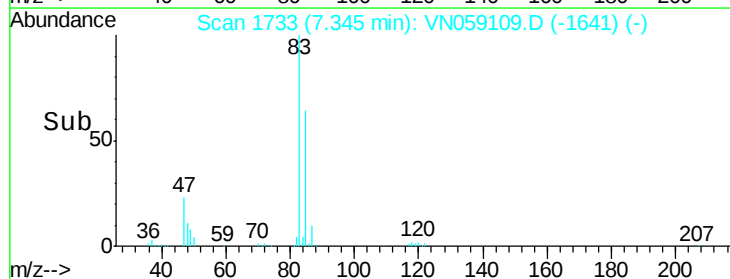
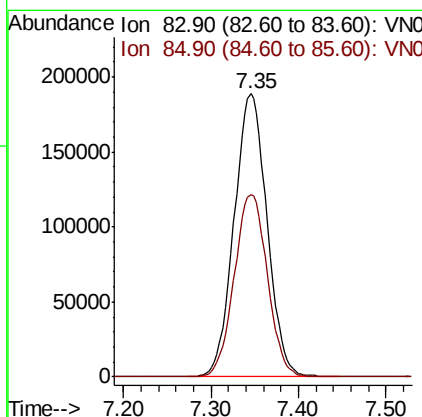
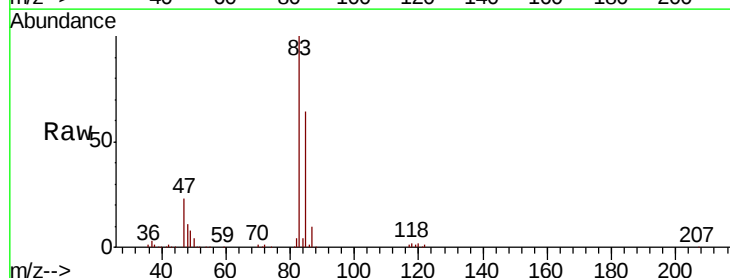
Manual Integrations
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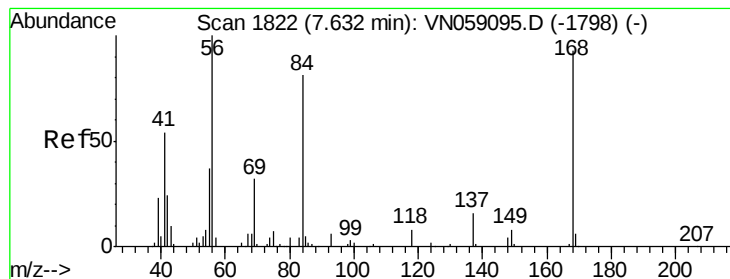
MMDadoda
11/8/2019 9:39:03 AM



#30
Chloroform
Concen: 47.321 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





#31

Cyclohexane

Concen: 46.199 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

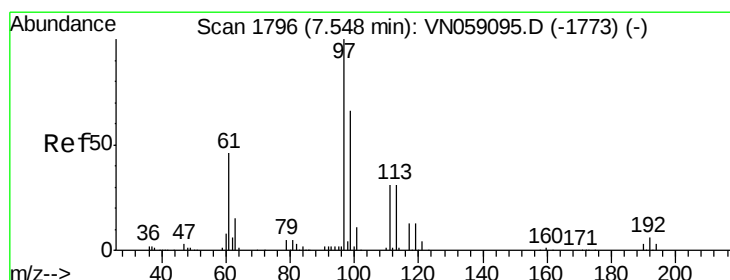
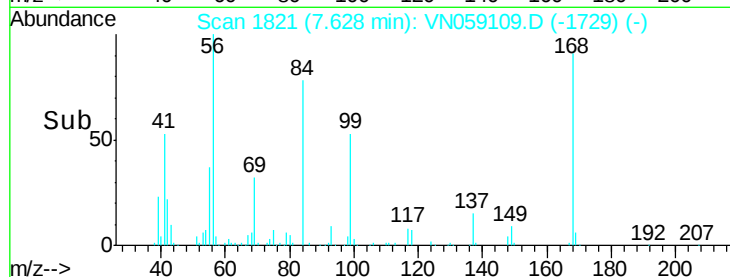
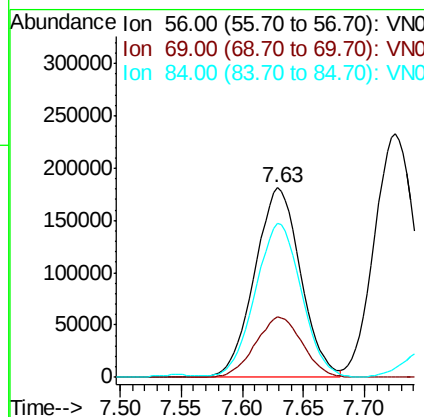
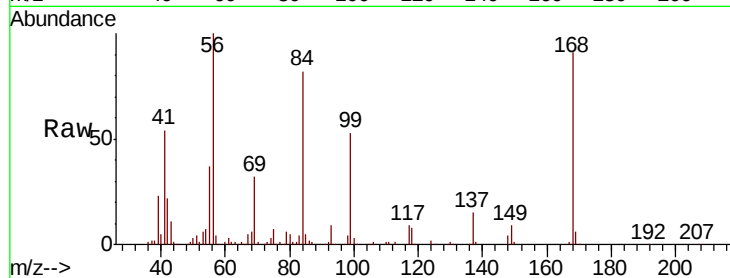
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	475200
Ion Ratio	Lower	Upper	
56	100		
69	31.9	25.8	38.8
84	80.6	65.0	97.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.535 ug/l

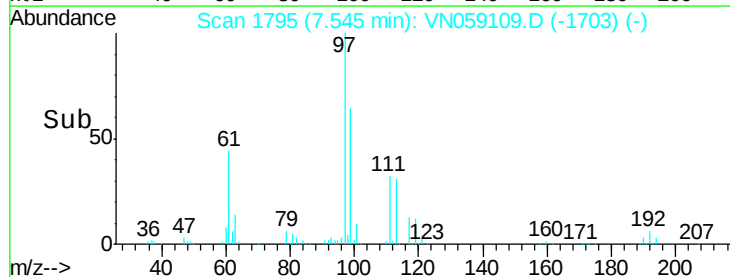
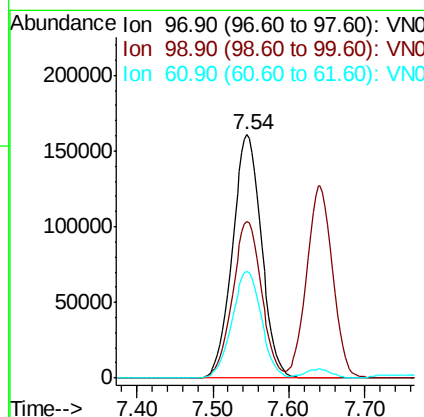
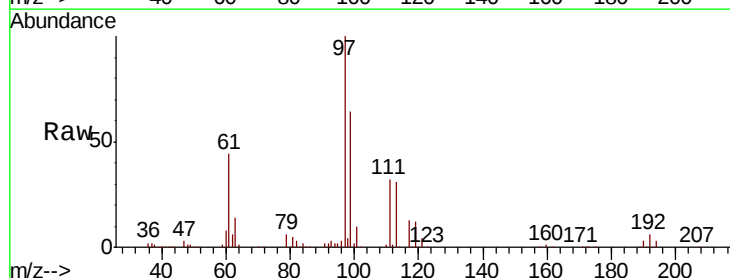
RT: 7.54 min Scan# 1795

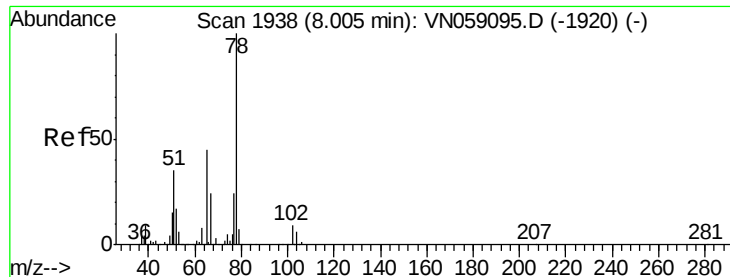
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	97	Resp:	425312
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.0	76.6
61	44.4	35.8	53.8





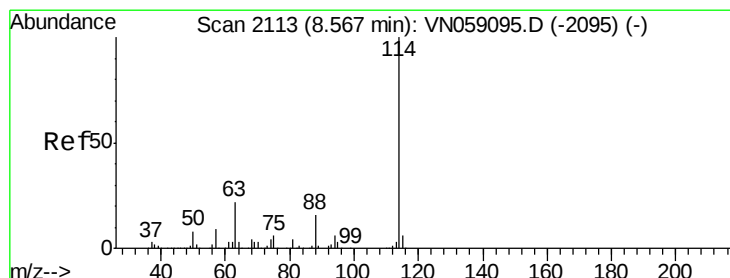
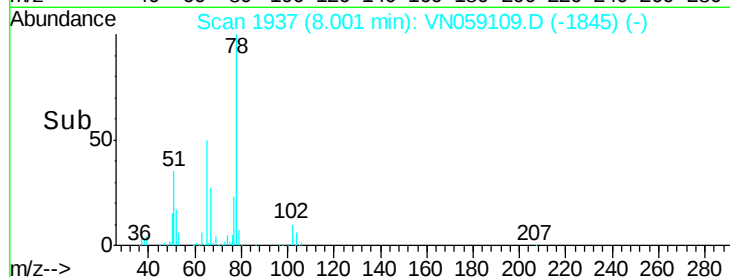
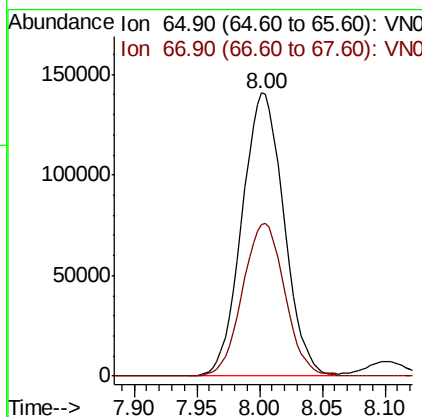
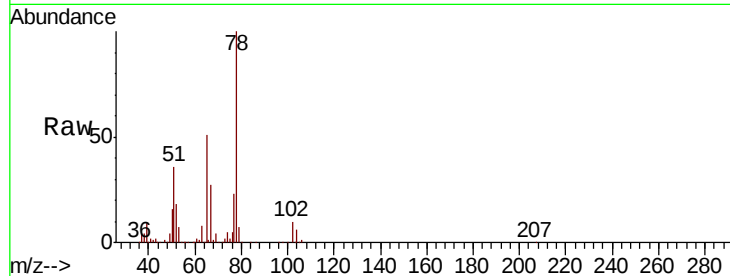
#33
 1,2-Dichloroethane-d4
 Concen: 49.689 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	107.4

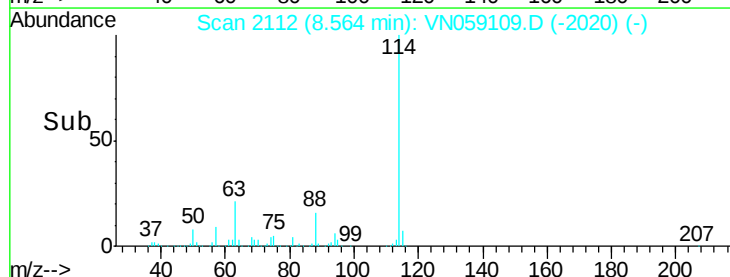
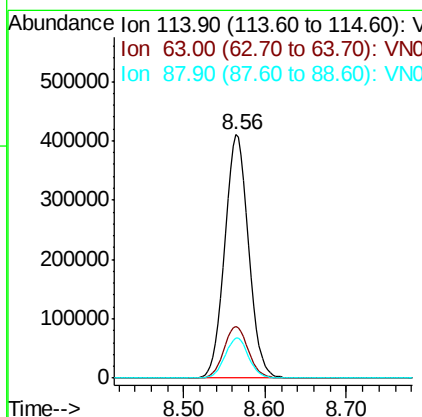
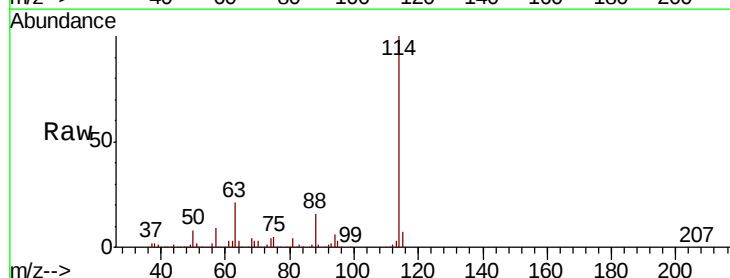
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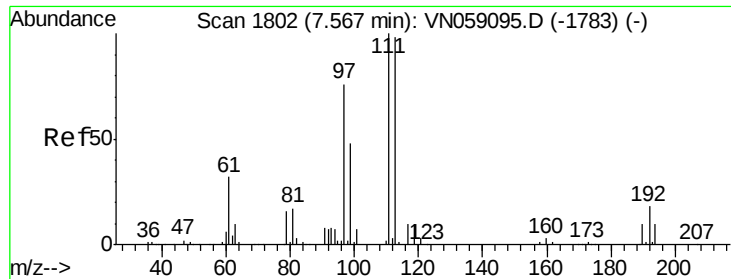
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 11/8/2019 9:39:03 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.4
88	16.5	0.0	32.2





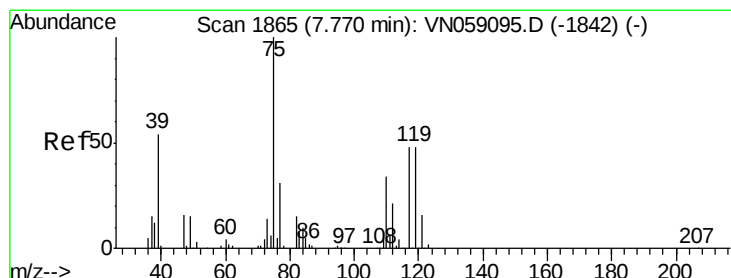
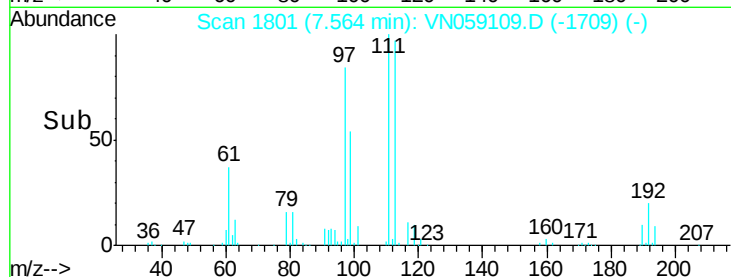
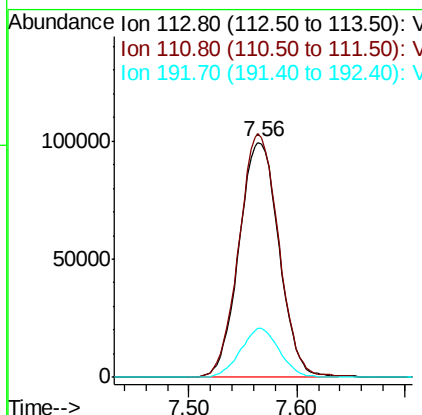
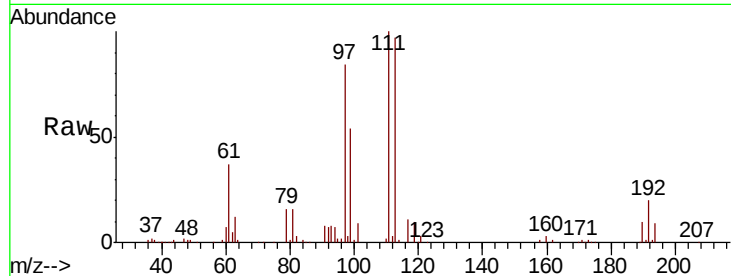
#35
Dibromofluoromethane
Concen: 50.575 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	256481		
111	103.1	82.8	124.2	
192	20.3	16.1	24.1	

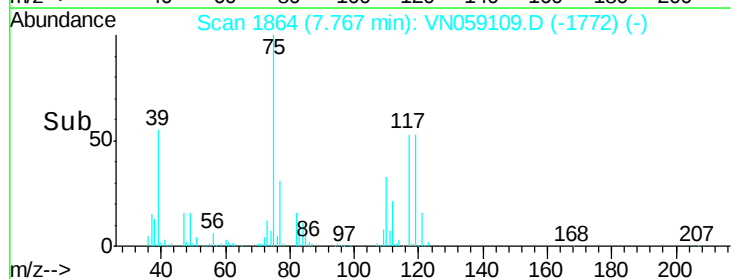
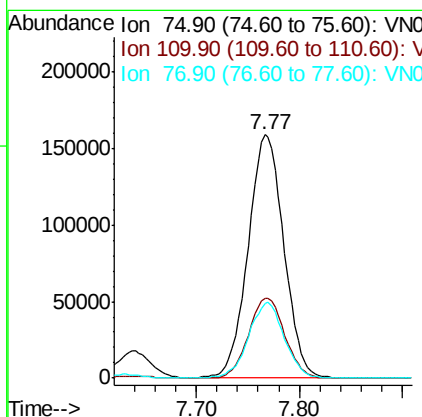
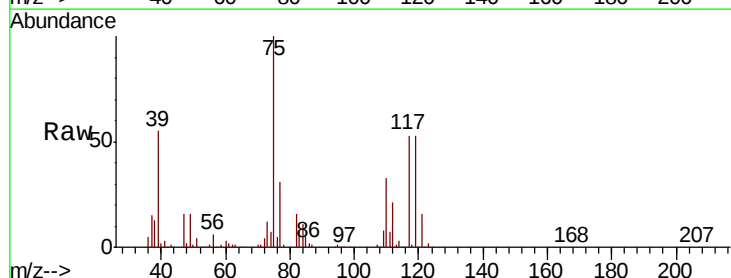
Manual Integrations
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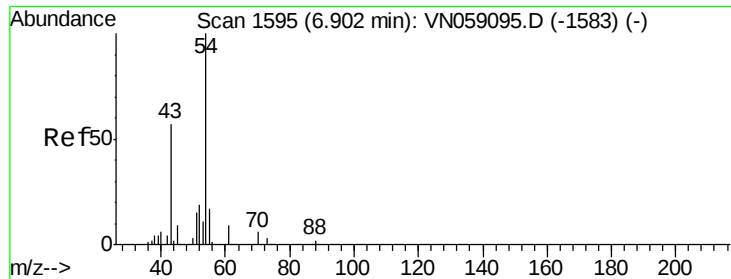
MMDadoda
11/8/2019 9:39:03 AM



#36
1,1-Dichloropropene
Concen: 47.953 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	380682		
110	33.4	17.1	51.2	
77	31.0	24.8	37.2	





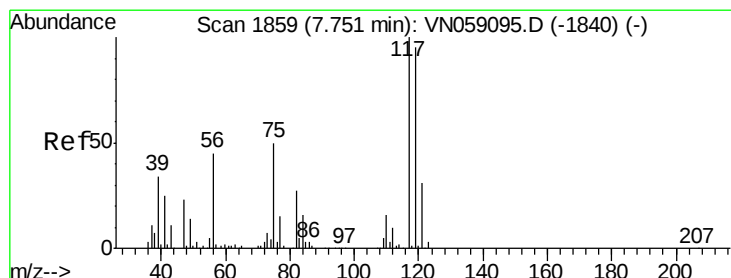
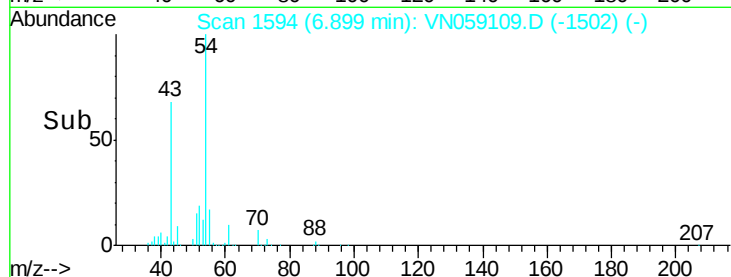
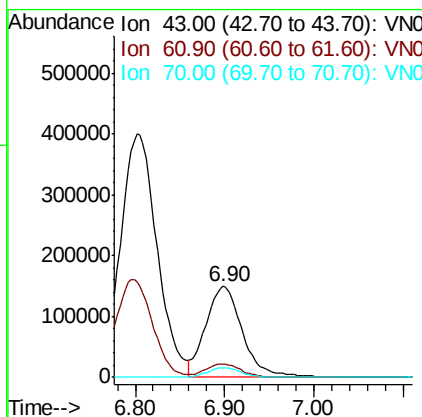
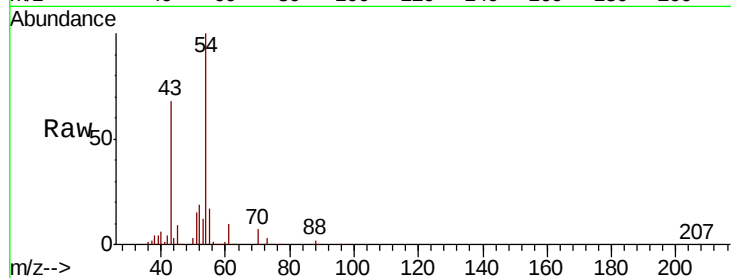
#37
Ethyl Acetate
Concen: 47.538 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	10.2	7.8	11.8

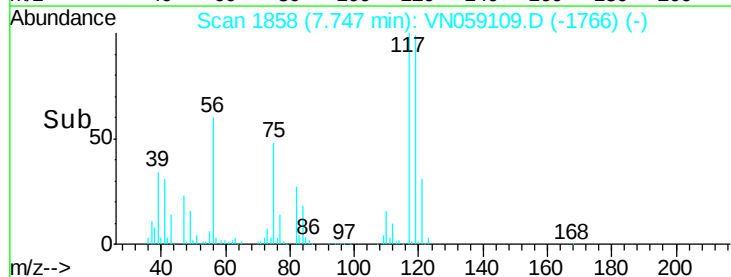
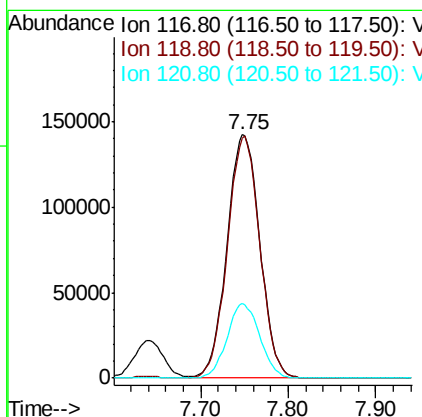
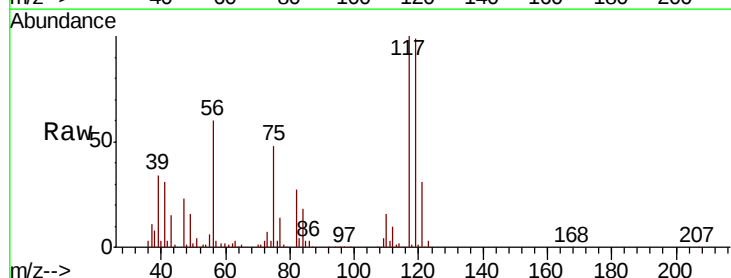
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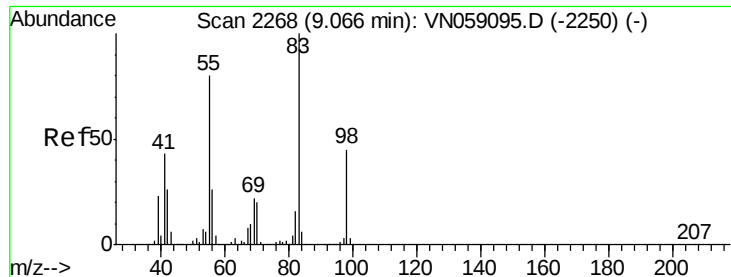
MMDadoda
11/8/2019 9:39:03 AM



#38
Carbon Tetrachloride
Concen: 46.989 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	75.6	113.4
121	30.7	24.6	36.8





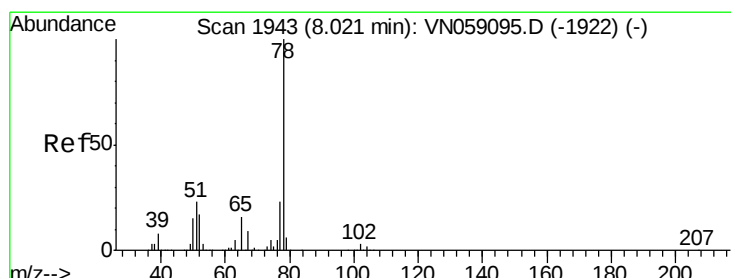
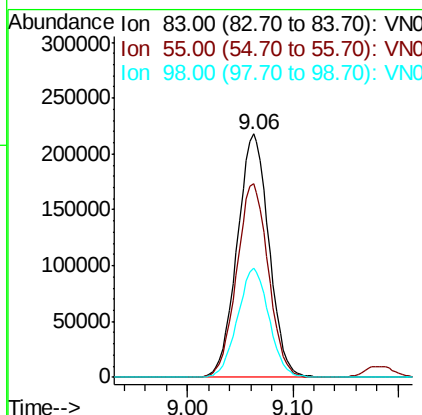
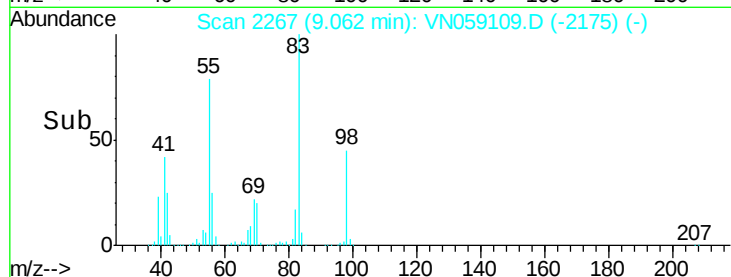
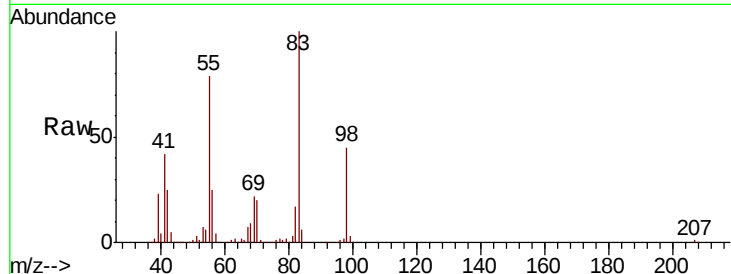
#39
Methvlcvclohexane
Concen: 49.334 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	63.9	95.9
98	44.6	35.6	53.4

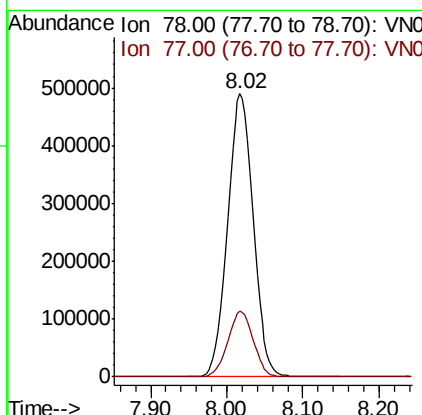
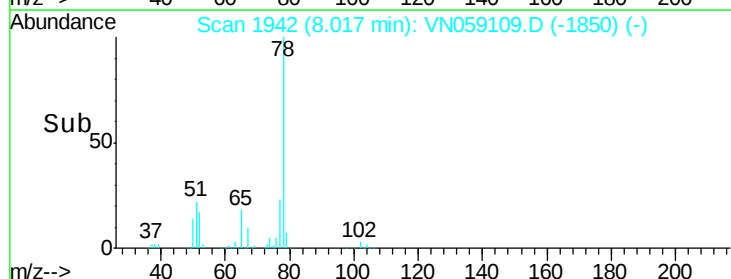
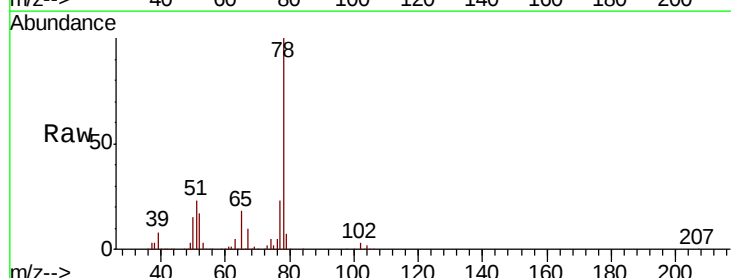
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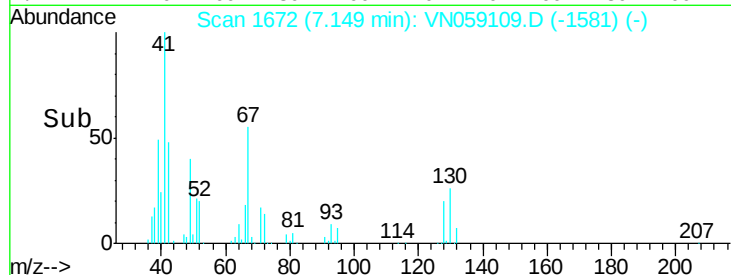
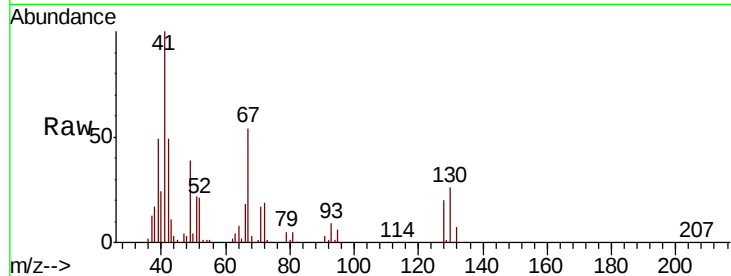
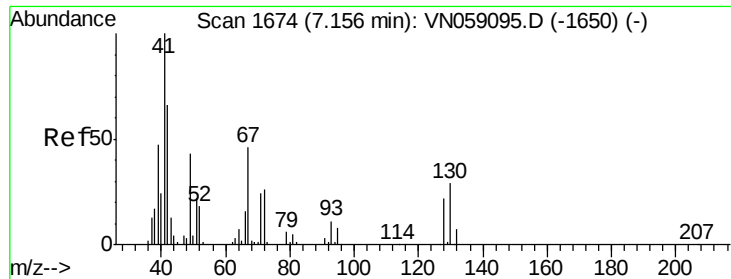
MMDadoda
11/8/2019 9:39:03 AM



#40
Benzene
Concen: 48.028 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





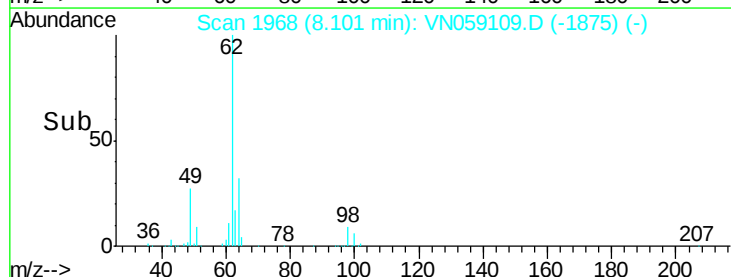
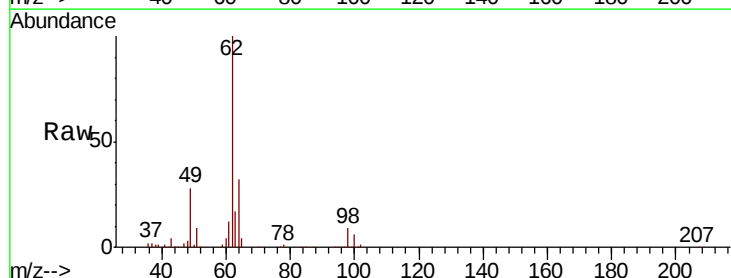
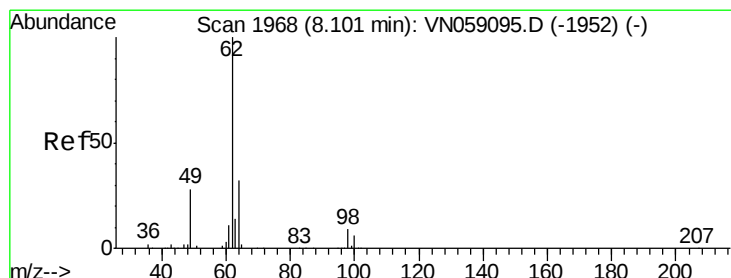
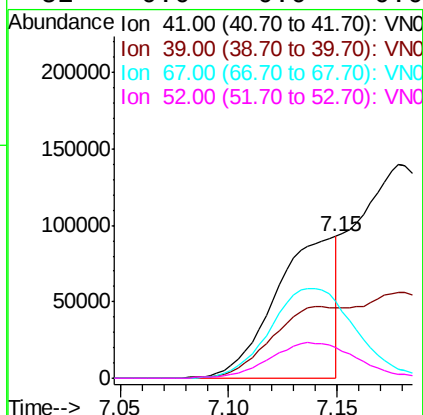
#41
Methacrylonitrile
Concen: 47.384 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		181972		
39	0.0	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

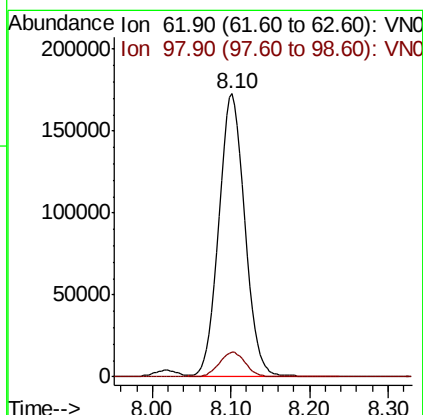
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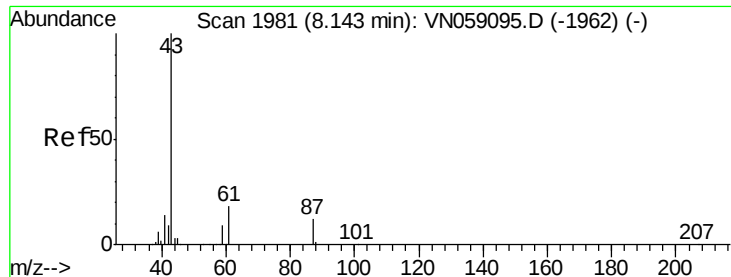
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.986 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		393445		
98	8.8	0.0	17.8		





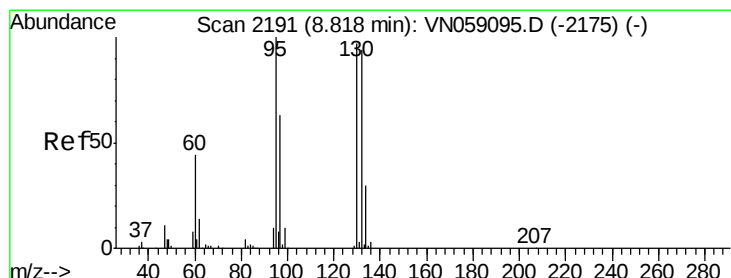
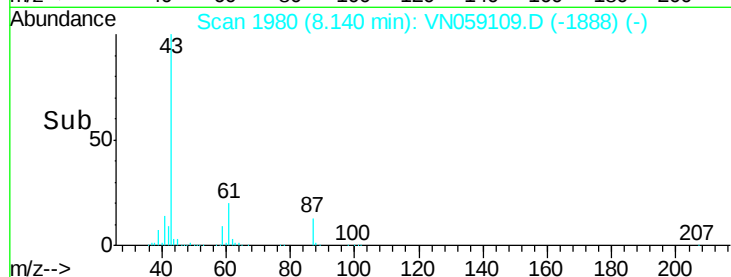
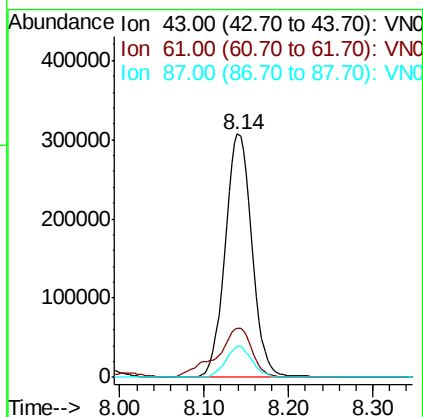
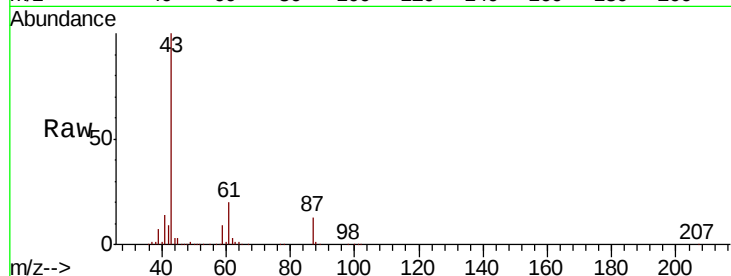
#43
Isopropyl Acetate
Concen: 47.835 ug/l
RT: 8.14 min Scan# 1980
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	21.0	31.6
87	12.6	9.8	14.6

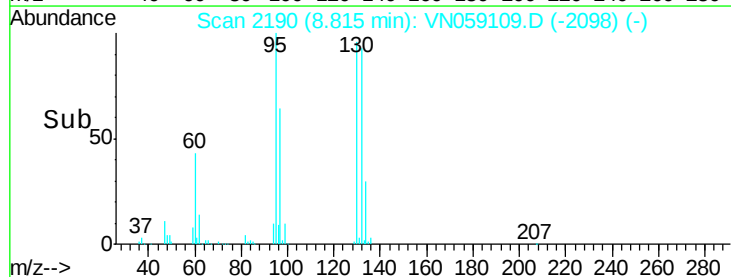
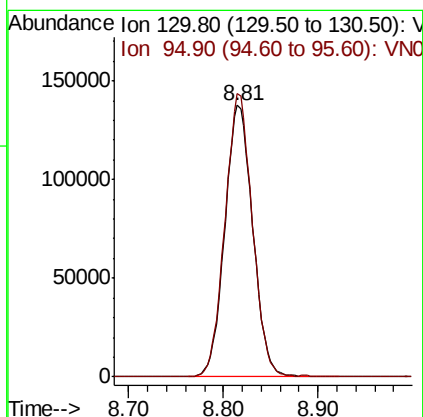
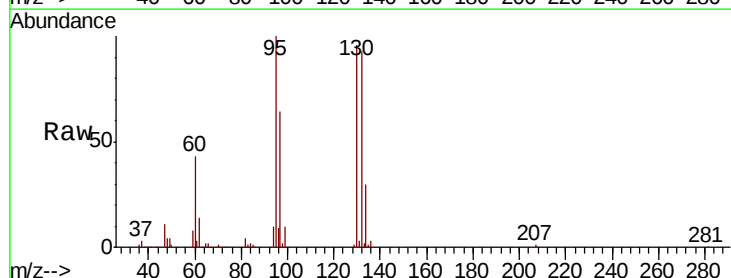
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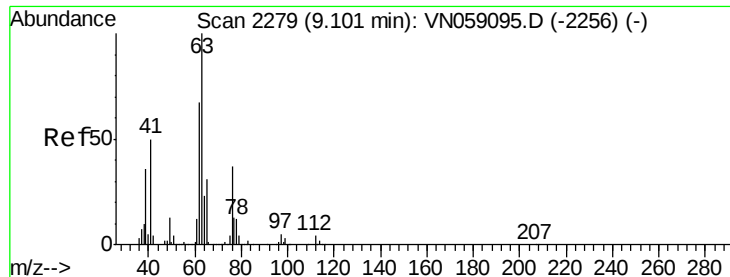
MMDadoda
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#44
Trichloroethene
Concen: 48.129 ug/l
RT: 8.81 min Scan# 2190
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	206.4





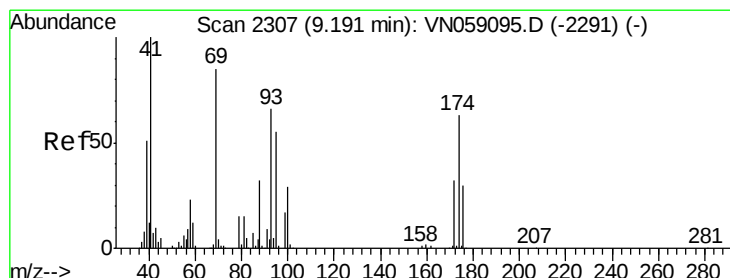
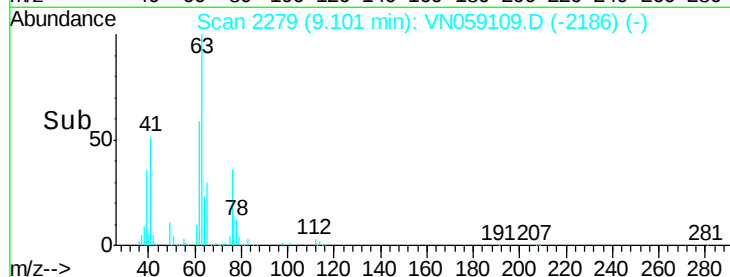
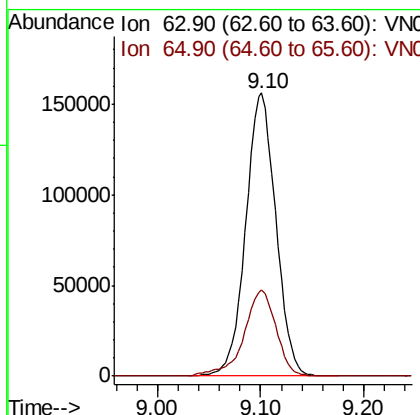
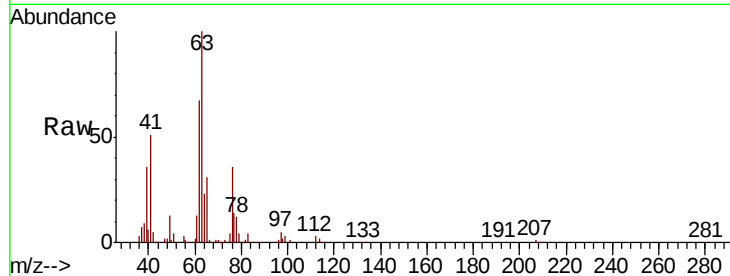
#45
 1,2-Dichloropropane
 Concen: 48.781 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.6	37.0

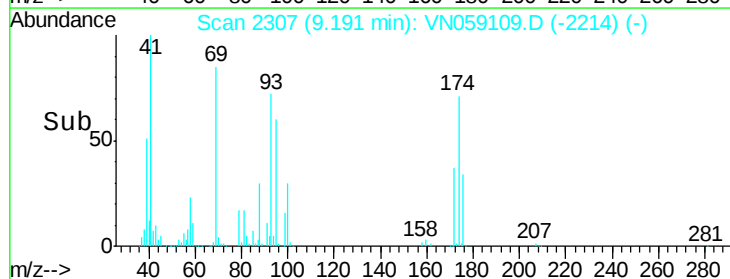
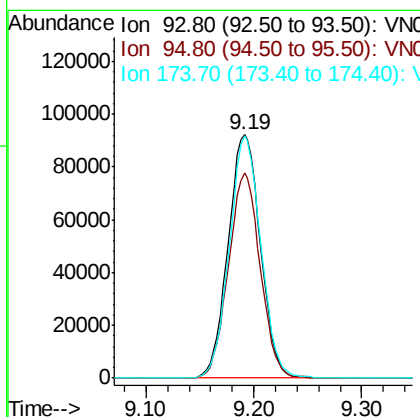
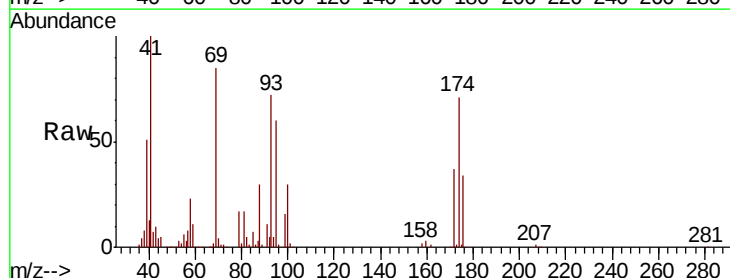
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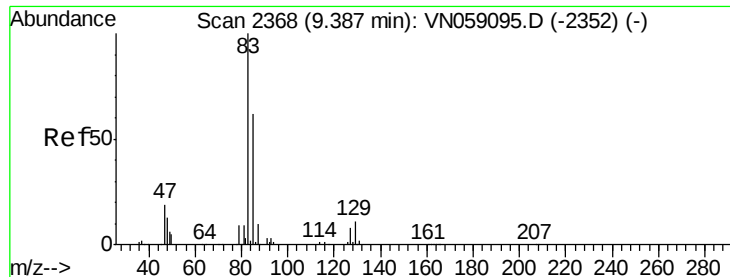
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 11/8/2019 9:39:03 AM



#46
 Dibromomethane
 Concen: 47.467 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	66.6	100.0
174	97.4	78.2	117.2





#47

Bromodichloromethane

Concen: 48.502 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

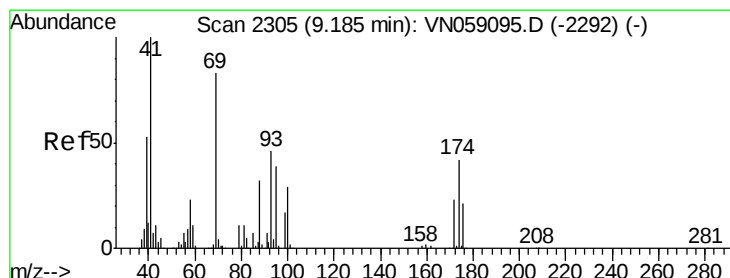
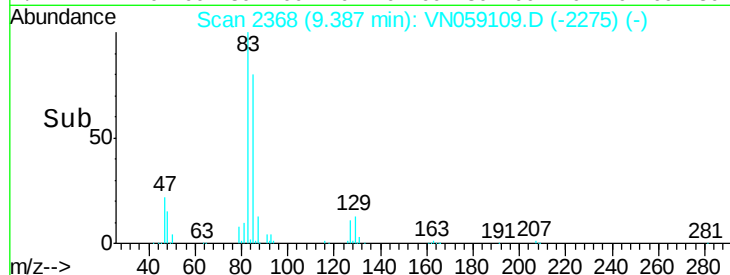
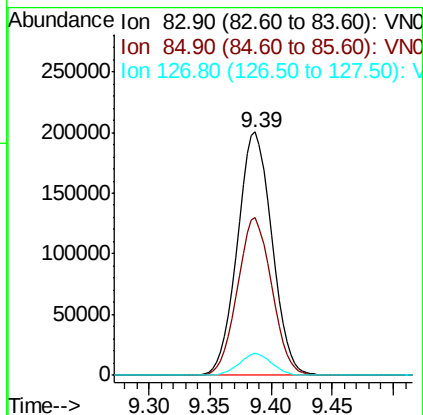
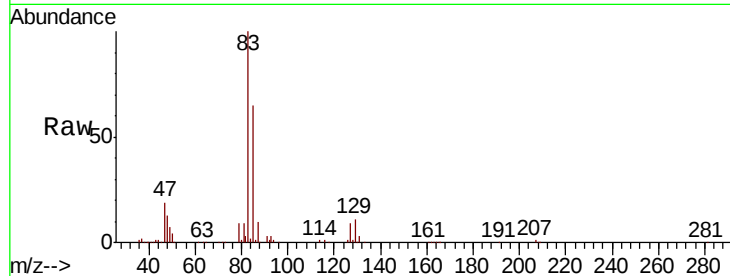
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	391890
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.7	74.5
127	8.9	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.202 ug/l

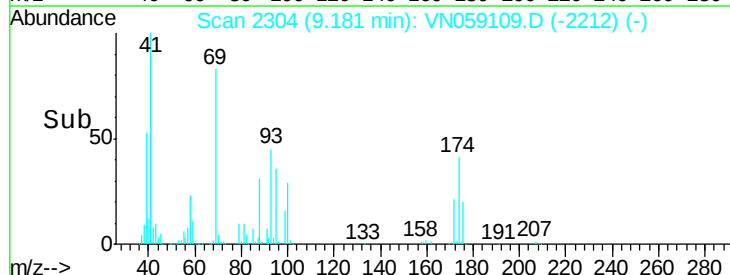
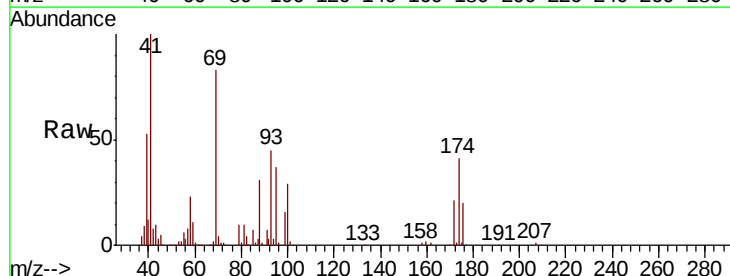
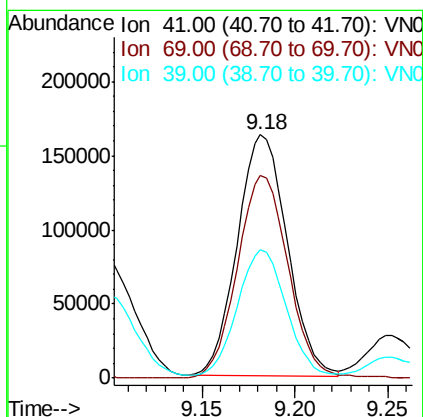
RT: 9.18 min Scan# 2304

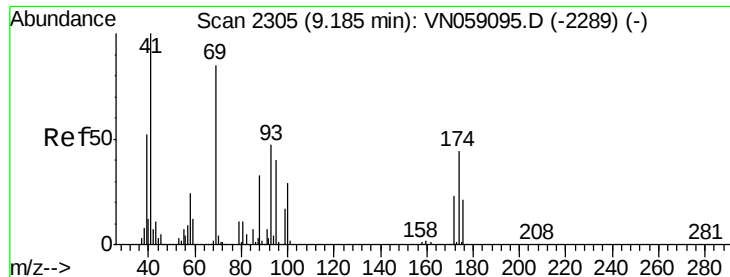
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	41	Resp:	303568
Ion	Ratio	Lower	Upper
41	100		
69	86.2	67.3	100.9
39	51.0	43.3	64.9





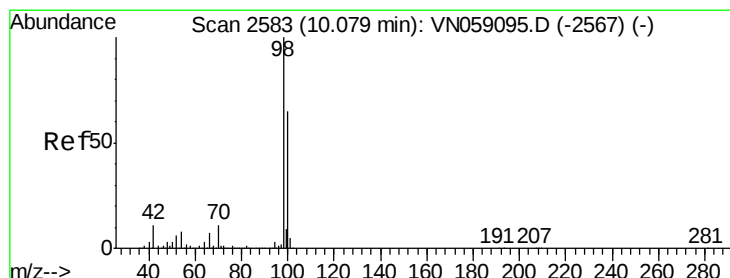
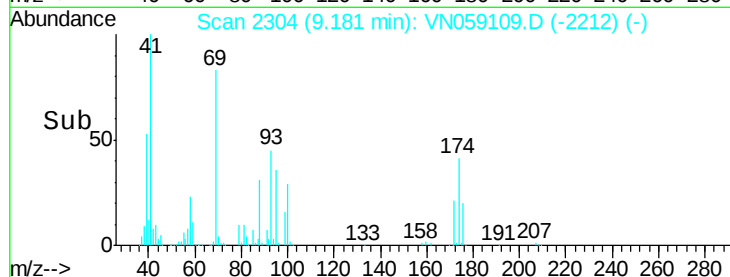
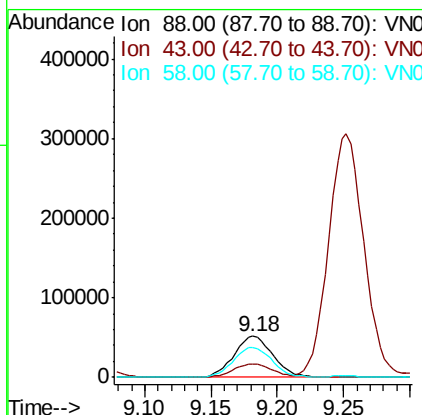
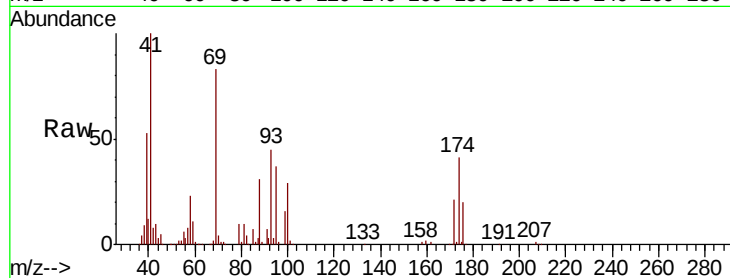
#49
1,4-Dioxane
Concen: 937.276 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	26.3	39.5
58	74.2	60.6	90.8

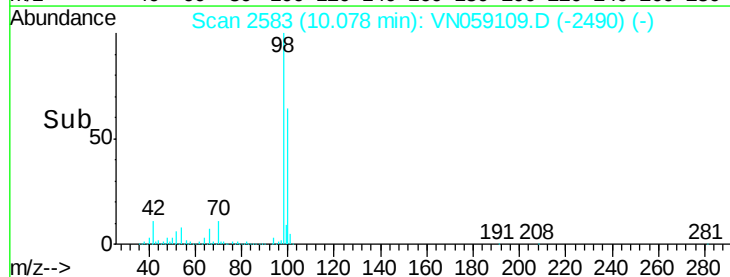
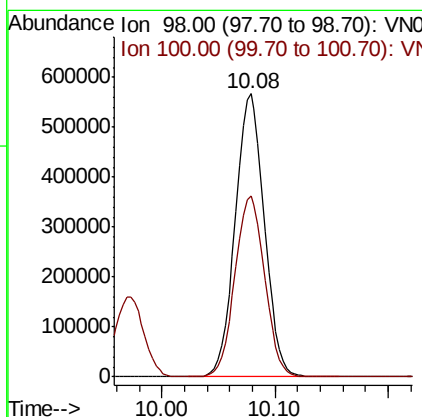
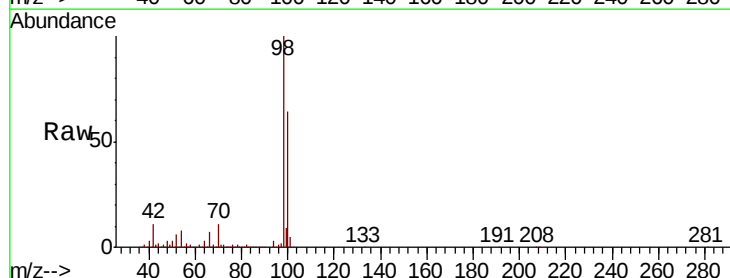
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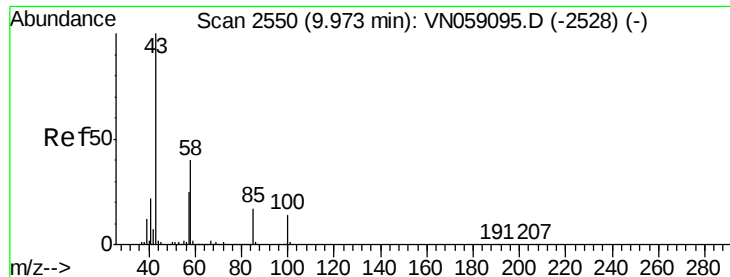
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#50
Toluene-d8
Concen: 50.923 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.2	78.2





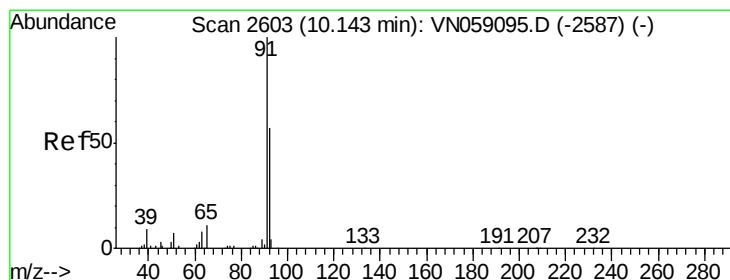
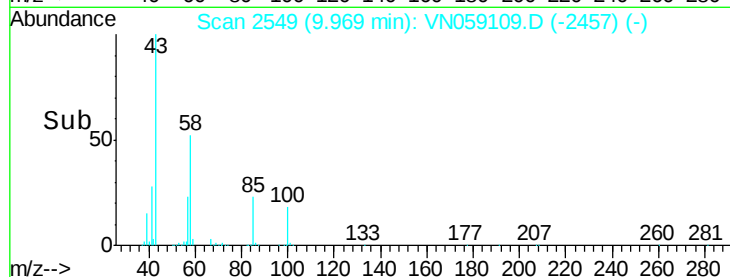
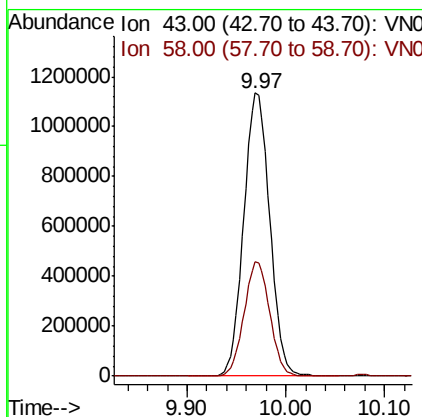
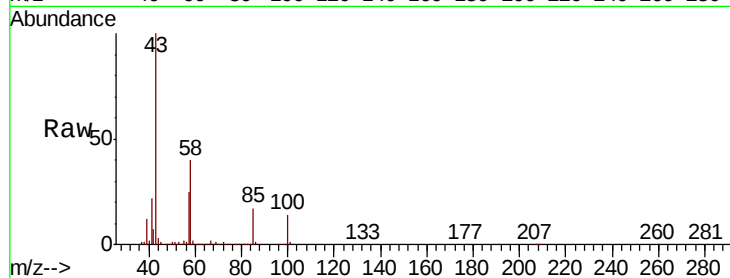
#51
4-Methyl-2-Pentanone
Concen: 259.479 ug/l
RT: 9.97 min Scan# 2549
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2067175
Ion Ratio Lower Upper
43 100
58 39.8 31.5 47.3

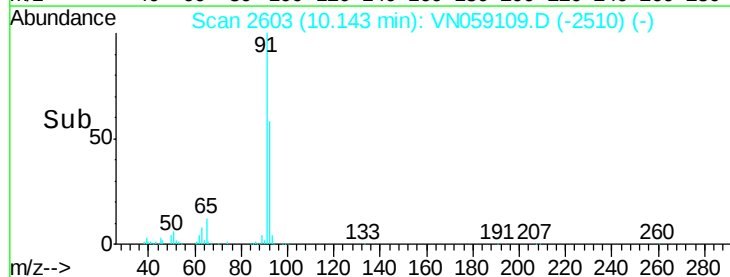
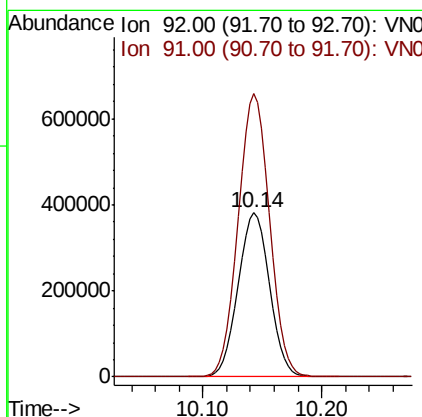
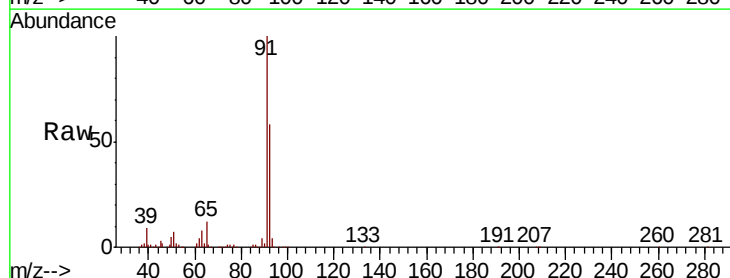
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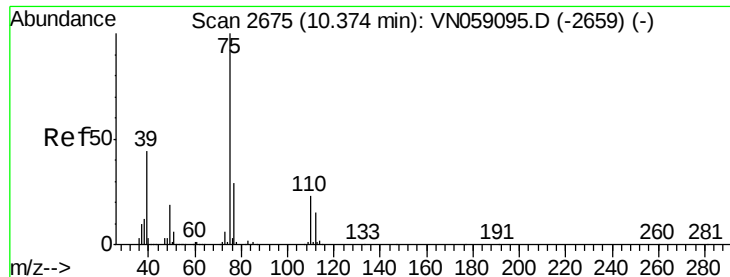
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#52
Toluene
Concen: 48.922 ug/l
RT: 10.14 min Scan# 2603
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 92 Resp: 700988
Ion Ratio Lower Upper
92 100
91 171.9 139.5 209.3





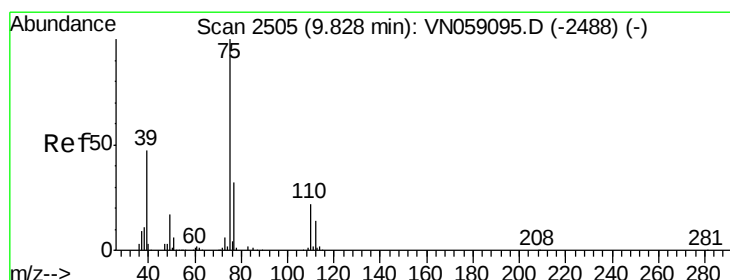
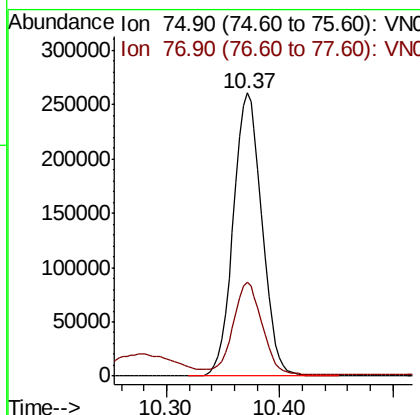
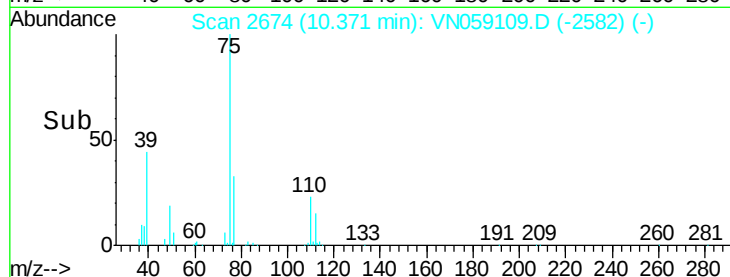
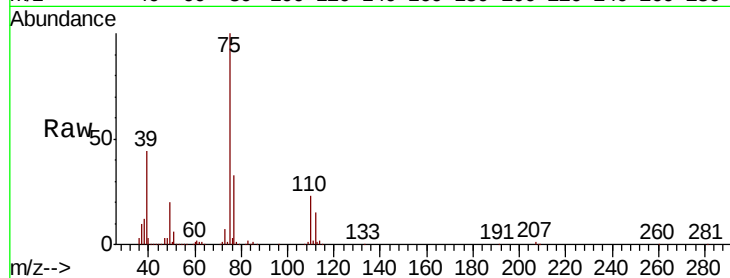
#53
t-1,3-Dichloropropene
Concen: 49.160 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 458899
Ion Ratio Lower Upper
75 100
77 32.7 25.3 37.9

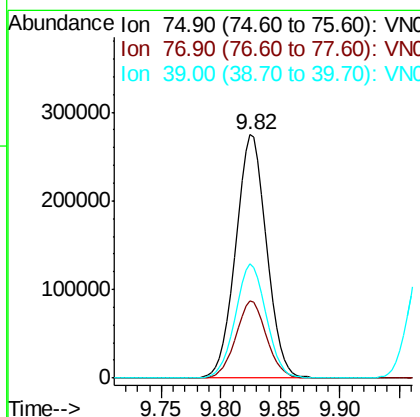
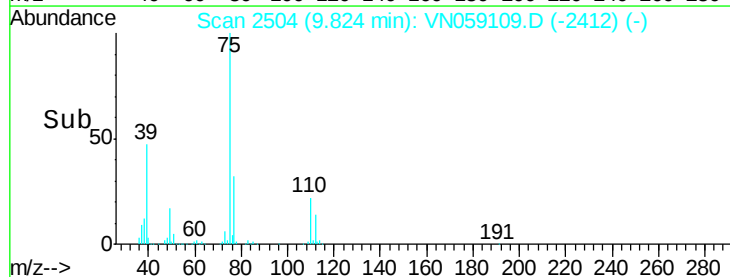
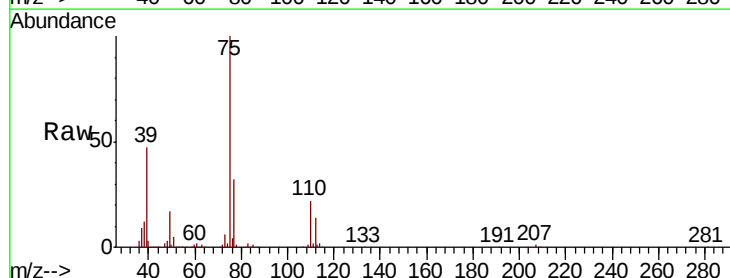
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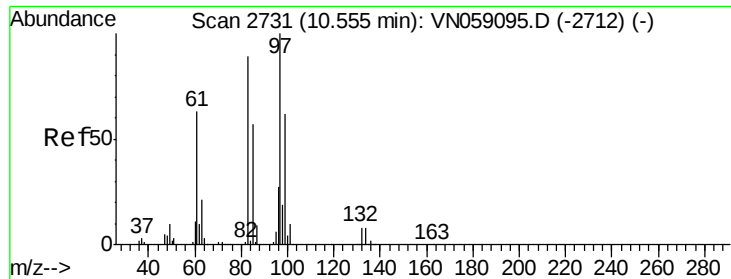
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#54
cis-1,3-Dichloropropene
Concen: 49.229 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 75 Resp: 494321
Ion Ratio Lower Upper
75 100
77 31.6 25.5 38.3
39 46.7 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 47.207 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

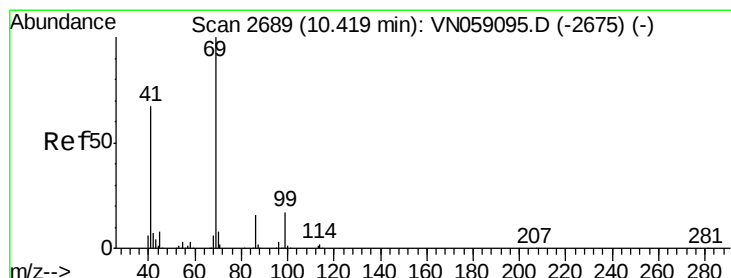
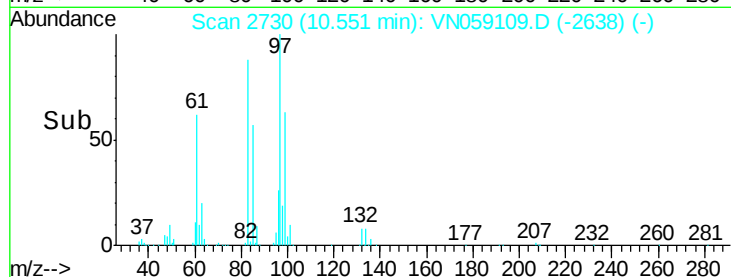
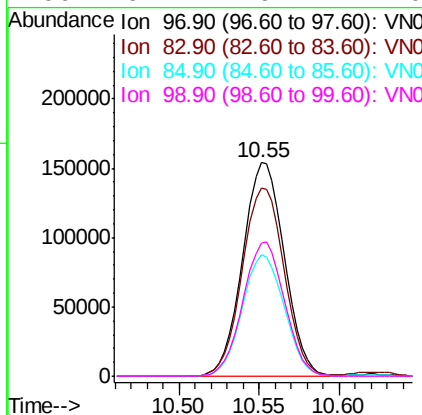
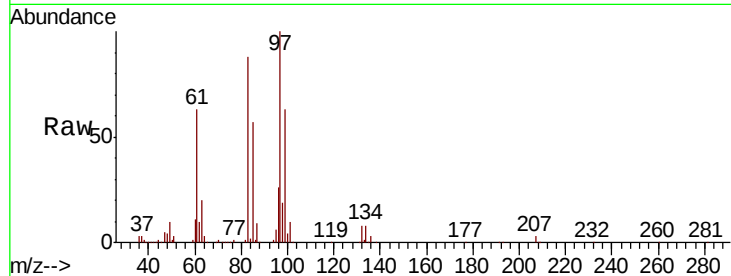
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	273752
Ion	Ratio	Lower	Upper
97	100		
83	88.3	71.0	106.4
85	56.9	45.8	68.8
99	62.7	49.4	74.0

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#56

Ethyl methacrylate

Concen: 45.774 ug/l

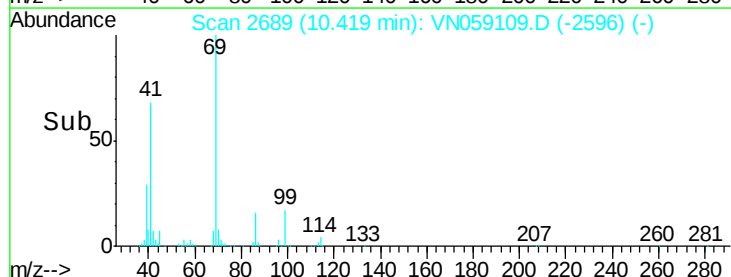
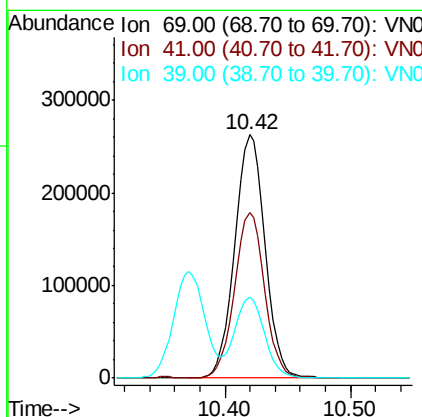
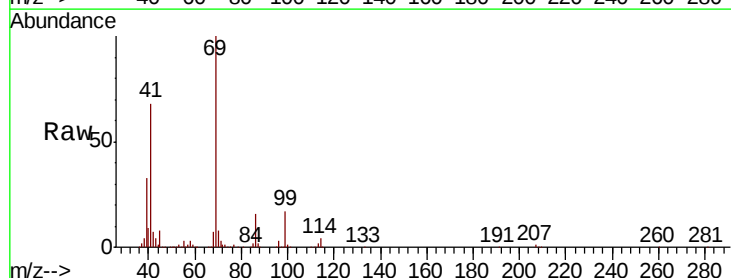
RT: 10.42 min Scan# 2689

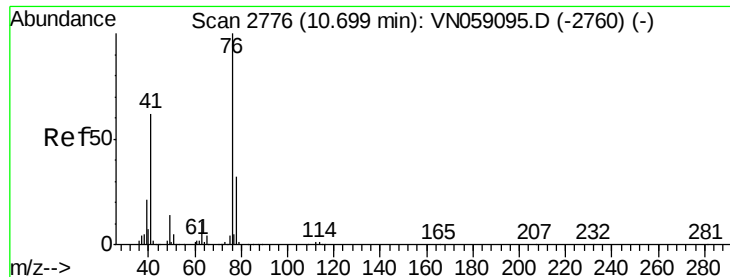
Delta R.T. 0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	69	Resp:	441135
Ion	Ratio	Lower	Upper
69	100		
41	66.8	53.6	80.4
39	32.9	26.2	39.4





#57

1,3-Dichloropropane

Concen: 48.353 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 482586

Ion Ratio Lower Upper

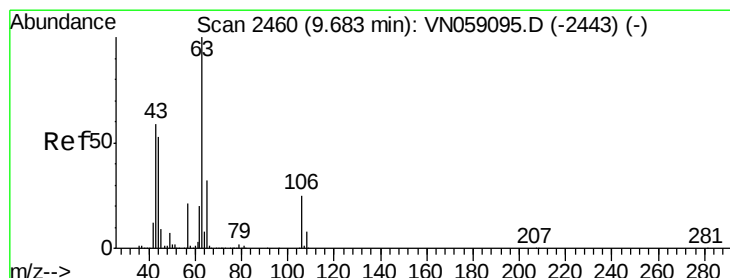
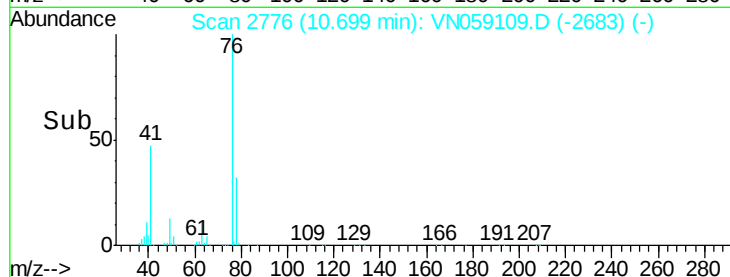
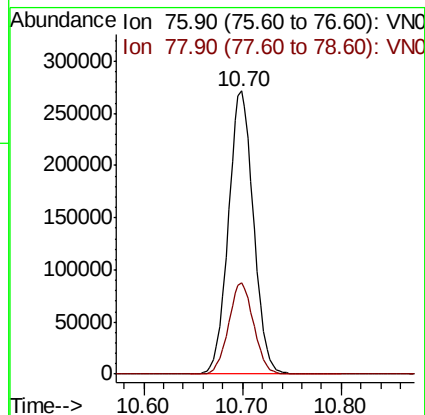
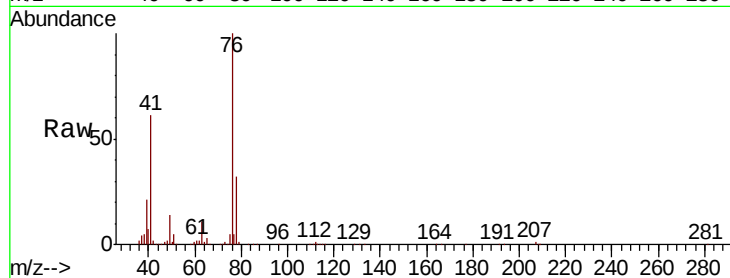
76 100

78 32.3 25.8 38.8

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#58

2-Chloroethyl Vinyl ether

Concen: 267.595 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059109.D

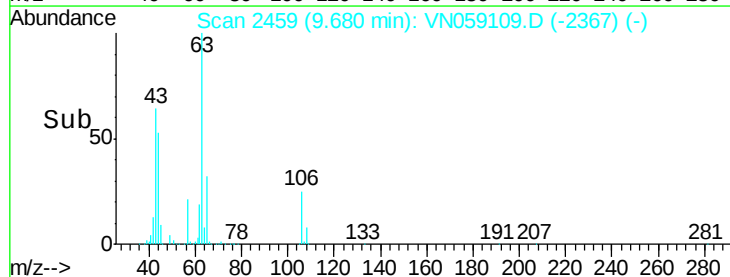
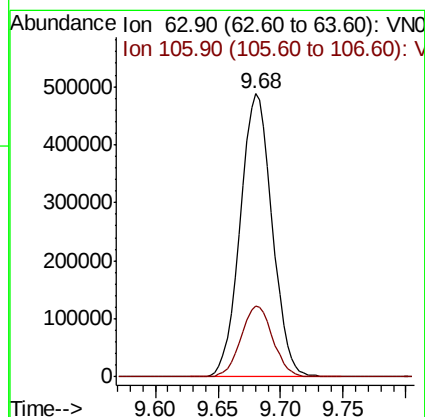
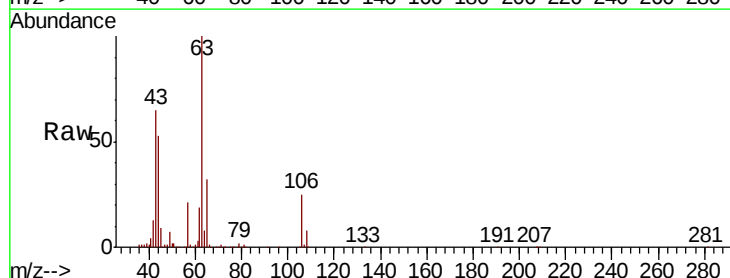
Acq: 7 Nov 2019 9:44

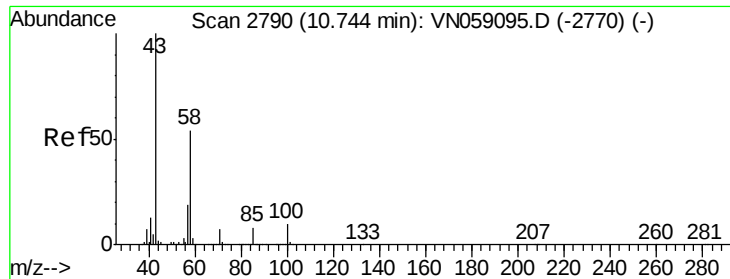
Tgt Ion: 63 Resp: 863597

Ion Ratio Lower Upper

63 100

106 25.1 20.2 30.2





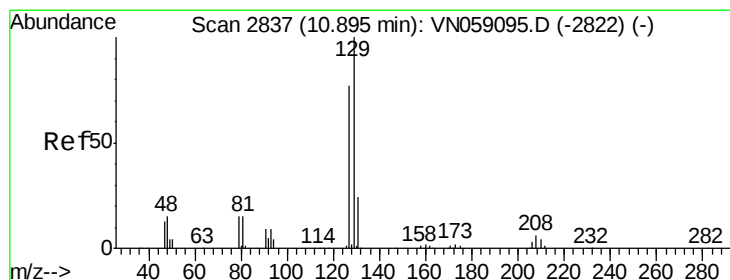
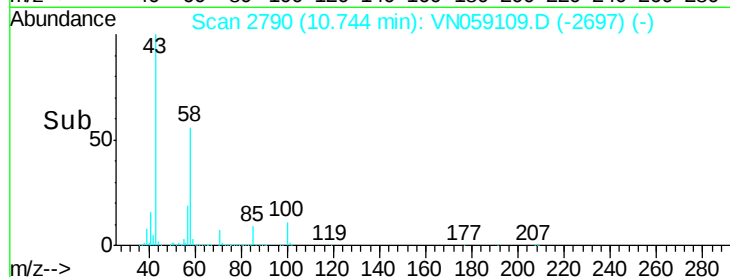
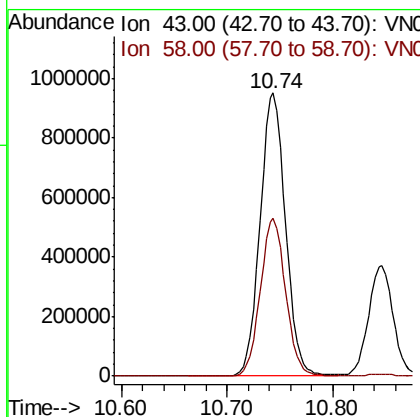
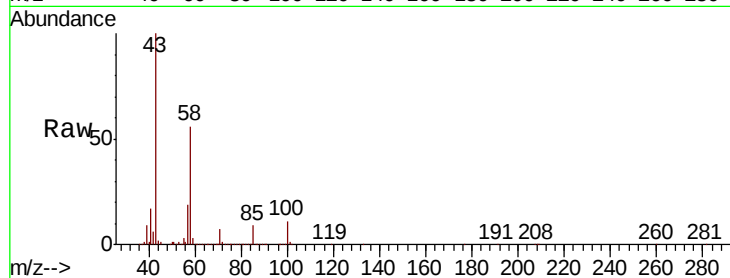
#59
2-Hexanone
Concen: 262.151 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1602993
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8

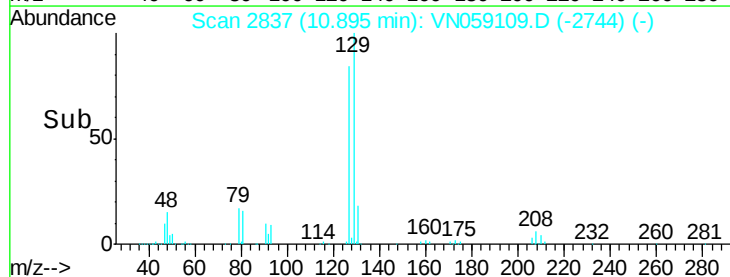
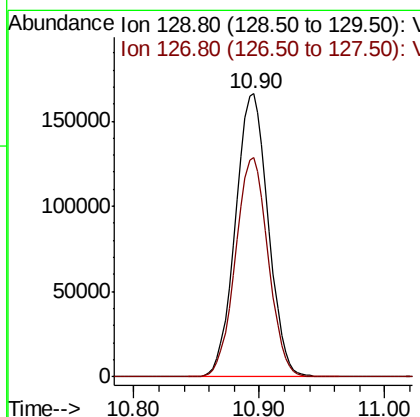
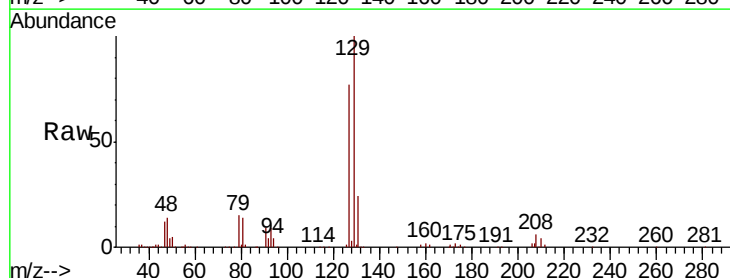
Manual Integrations
APPROVED

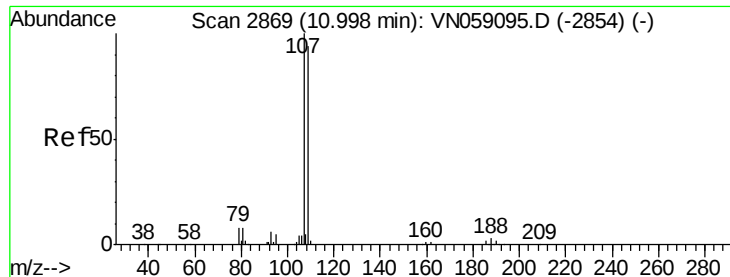
MMDadoda
11/8/2019 9:39:03 AM



#60
Dibromochloromethane
Concen: 49.210 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 129 Resp: 301711
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





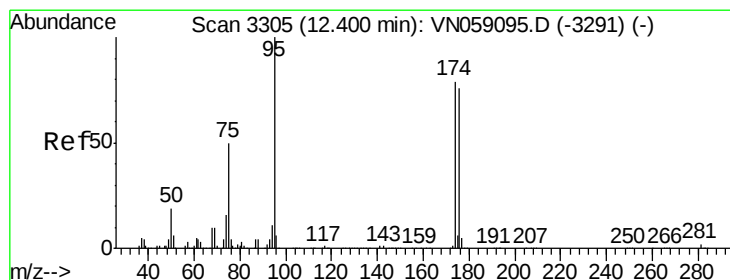
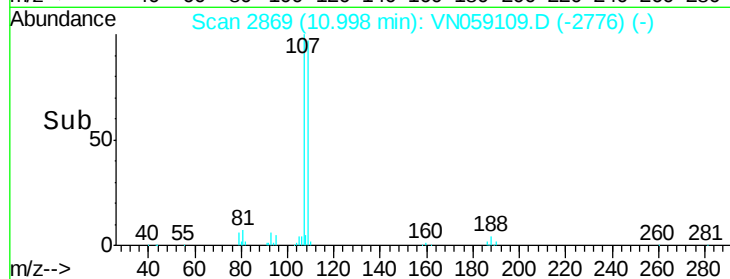
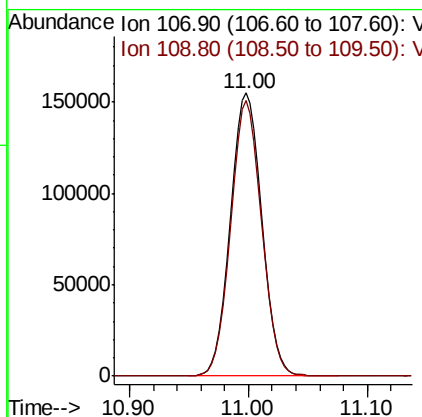
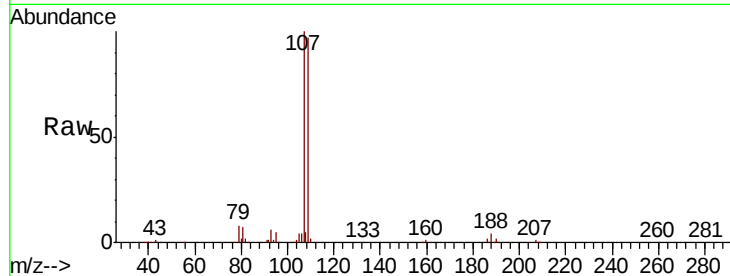
#61
 1,2-Dibromoethane
 Concen: 48.291 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.5	113.3

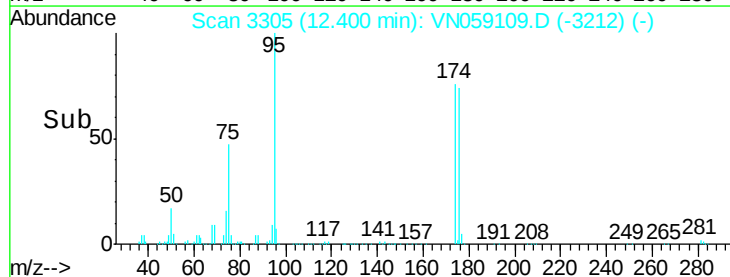
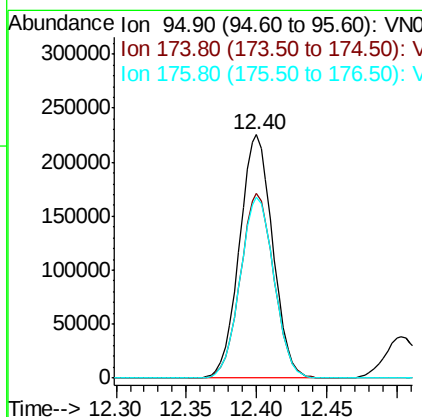
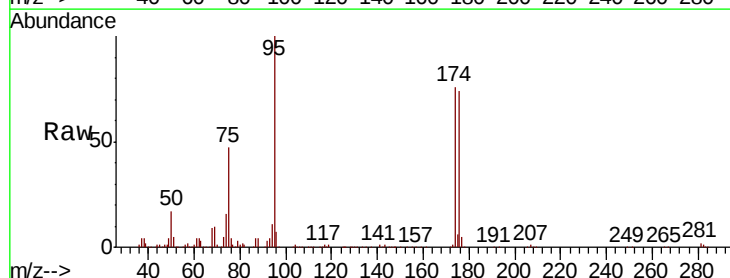
Manual Integrations
 APPROVED

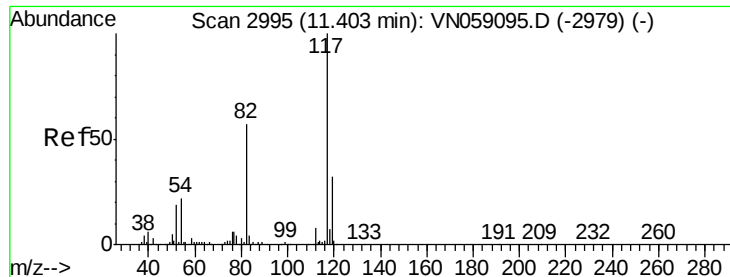
MMDadoda
 11/8/2019 9:39:03 AM



#62
 4-Bromofluorobenzene
 Concen: 51.737 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	158.2
176	75.7	0.0	151.8





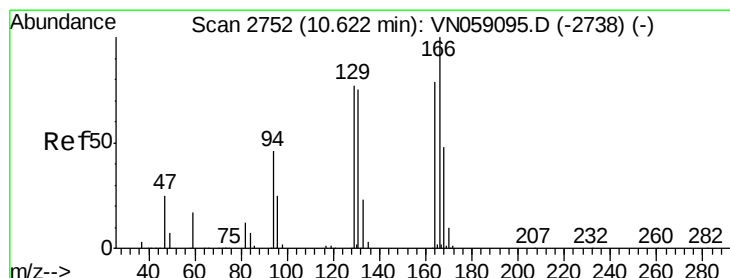
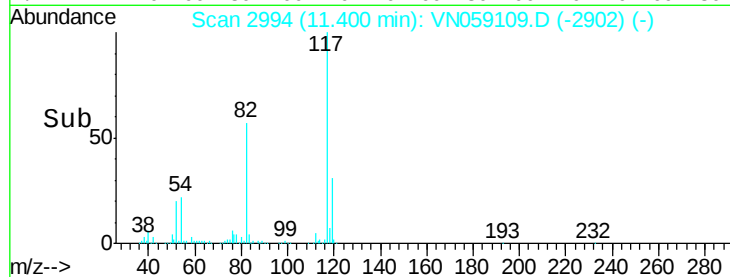
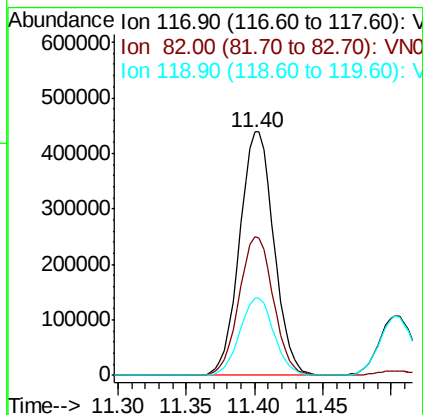
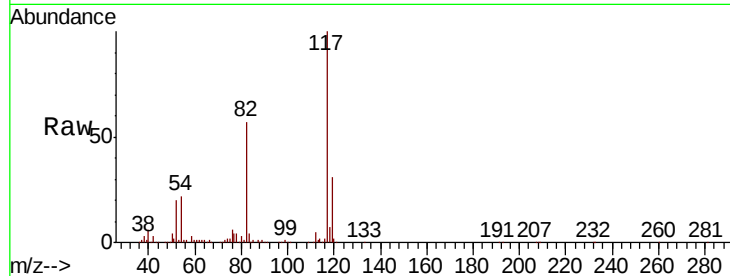
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	765837		
82	57.0		45.8	68.8
119	31.5		25.8	38.6

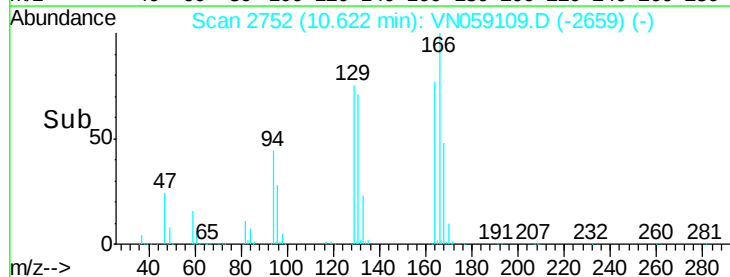
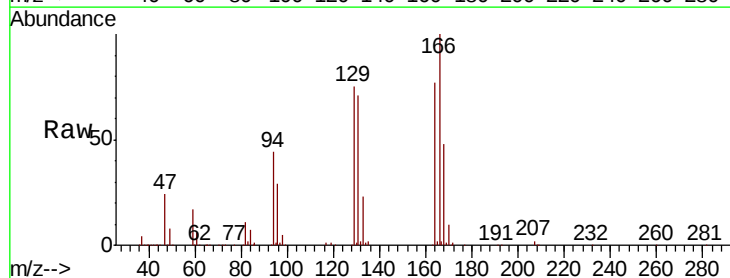
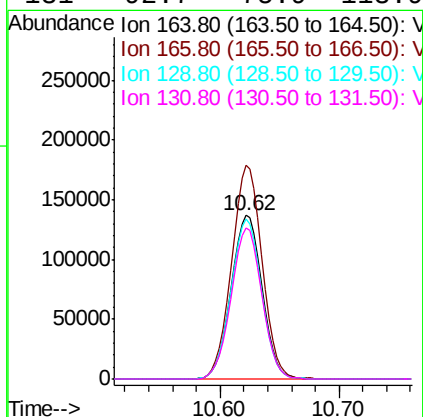
Manual Integrations
APPROVED

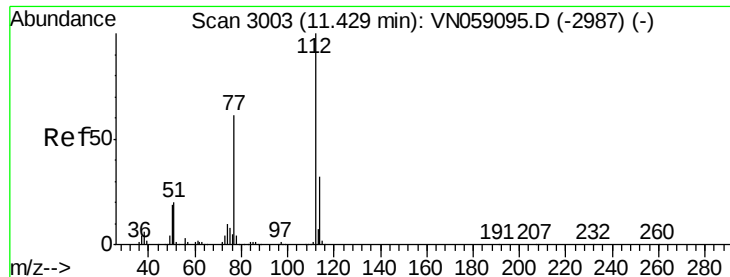
MMDadoda
11/8/2019 9:39:03 AM



#64
Tetrachloroethene
Concen: 47.493 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	247321		
166	130.5		101.5	152.3
129	97.5		78.3	117.5
131	92.7		75.9	113.9





#65

Chlorobenzene

Concen: 48.853 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 729330

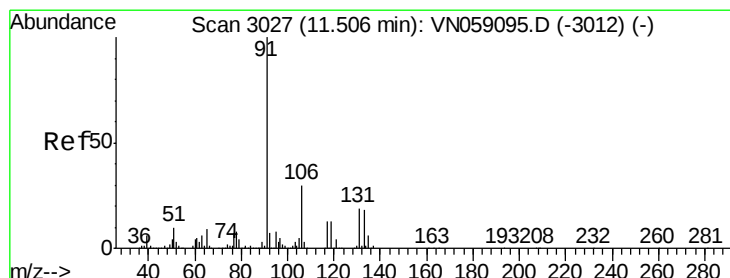
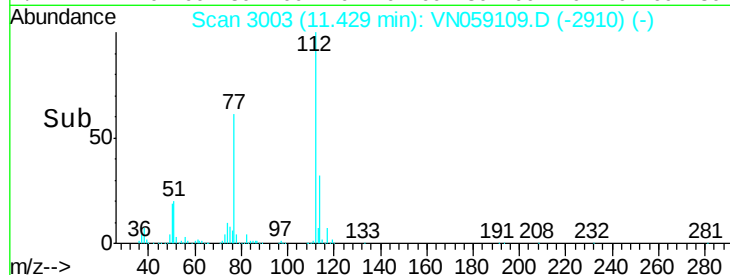
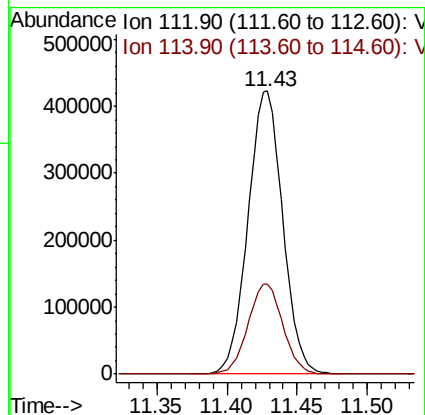
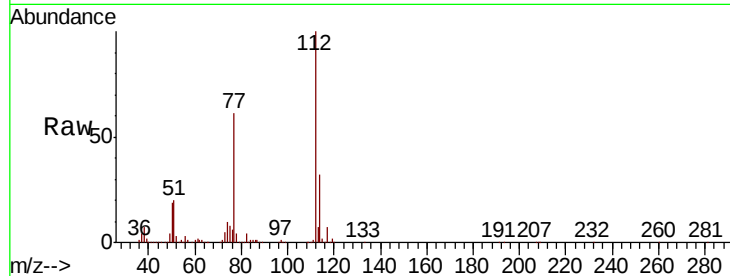
Ion Ratio Lower Upper

112 100

114 32.0 25.2 37.8

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:03 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 48.998 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

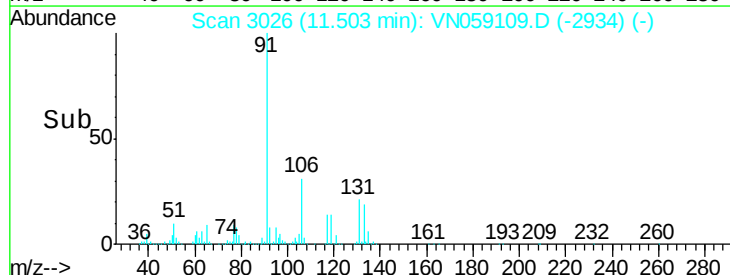
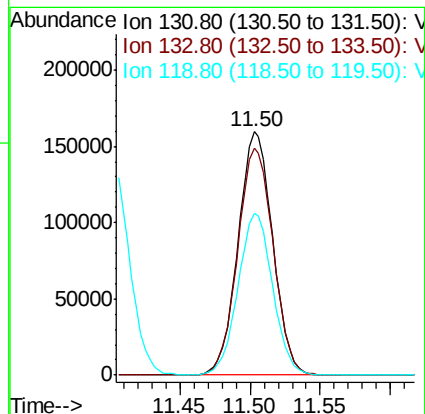
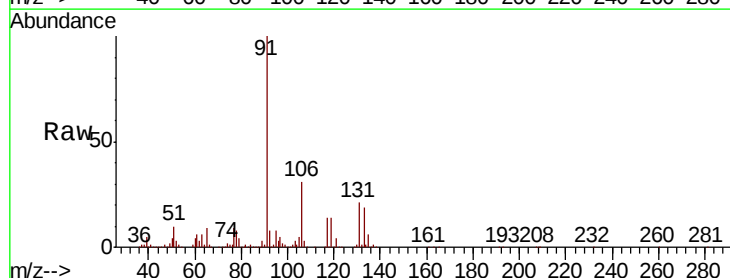
Tgt Ion:131 Resp: 274404

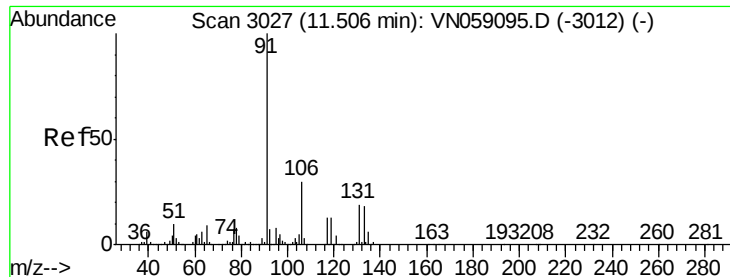
Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.3

119 66.6 33.2 99.6





#67

Ethyl Benzene

Concen: 50.619 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1340774

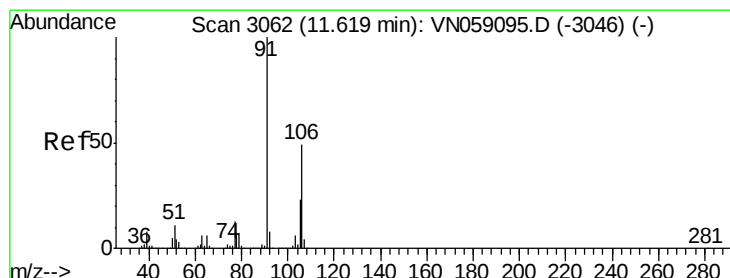
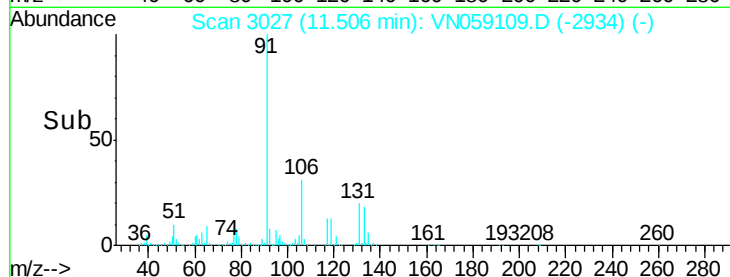
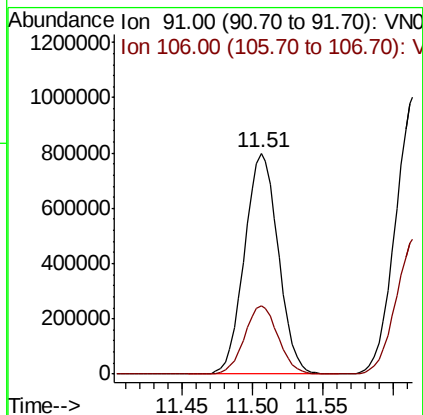
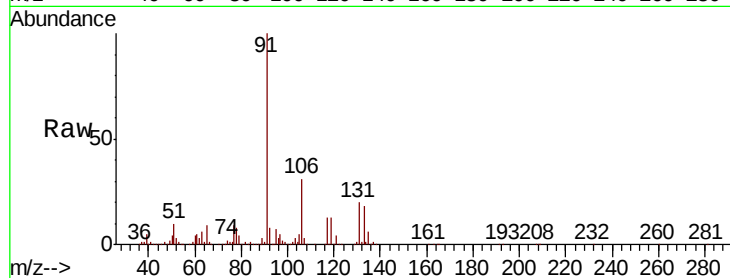
Ion Ratio Lower Upper

91 100

106 30.8 24.1 36.1

Manual Integrations
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#68

m/p-Xylenes

Concen: 100.508 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059109.D

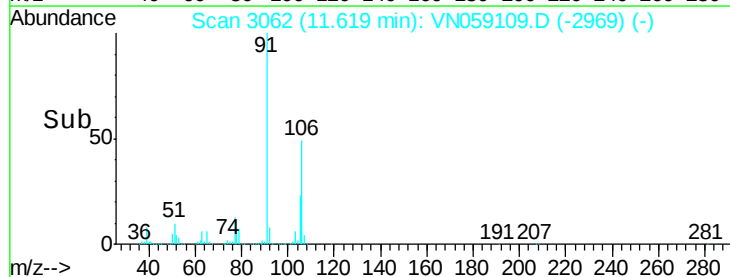
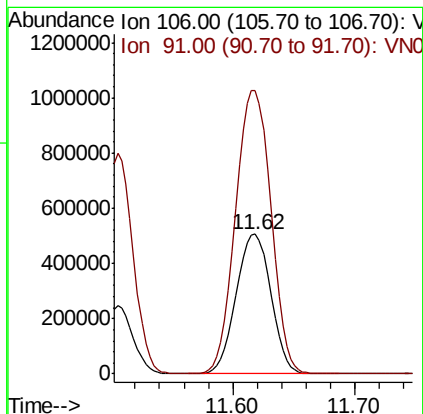
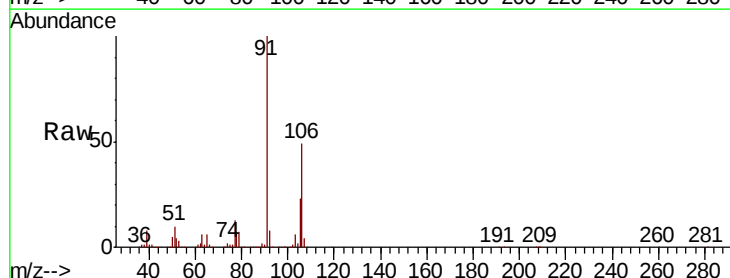
Acq: 7 Nov 2019 9:44

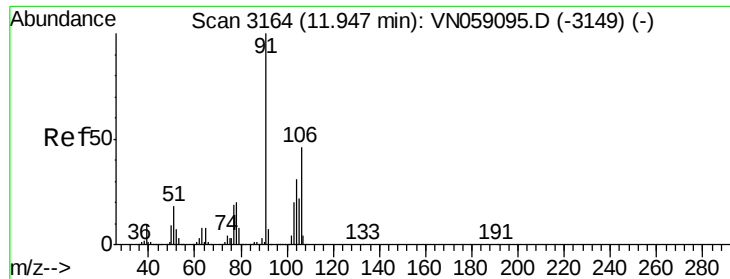
Tgt Ion: 106 Resp: 997239

Ion Ratio Lower Upper

106 100

91 207.1 164.7 247.1





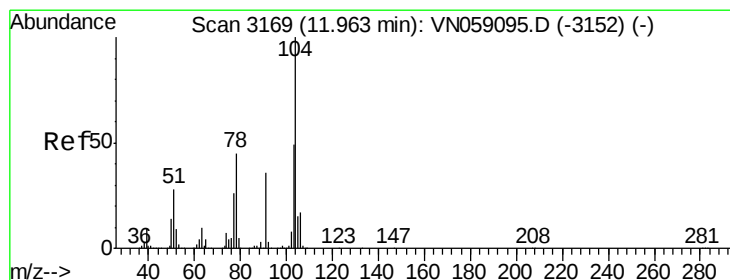
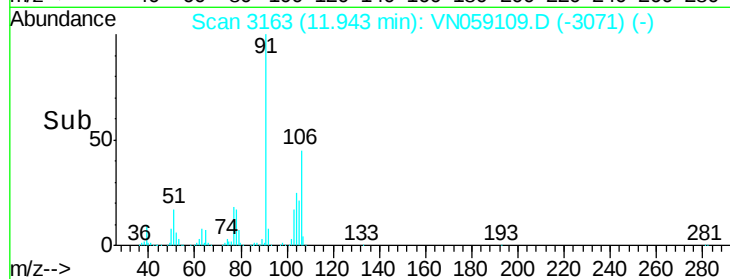
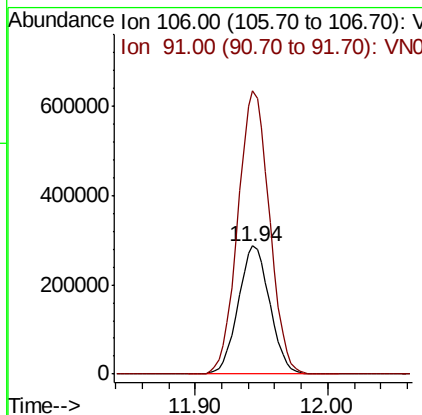
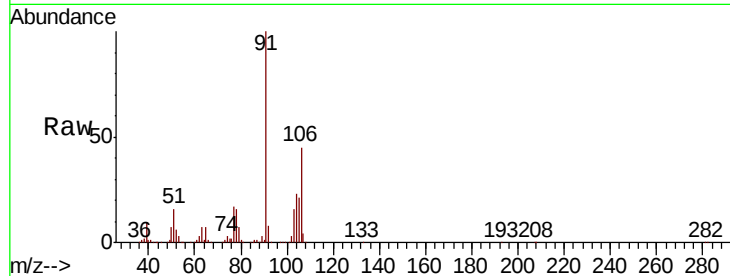
#69
o-Xylene
Concen: 49.422 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 473887
Ion Ratio Lower Upper
106 100
91 221.4 110.1 330.3

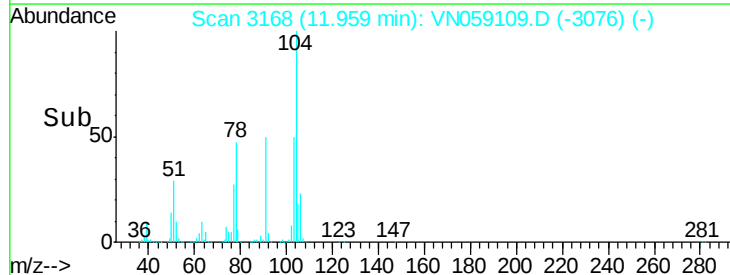
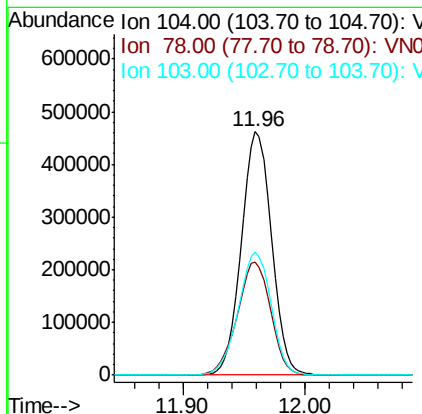
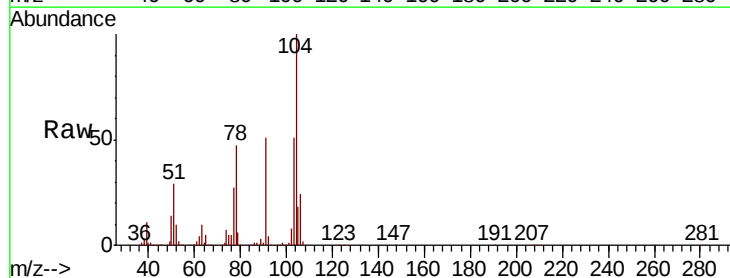
Manual Integrations
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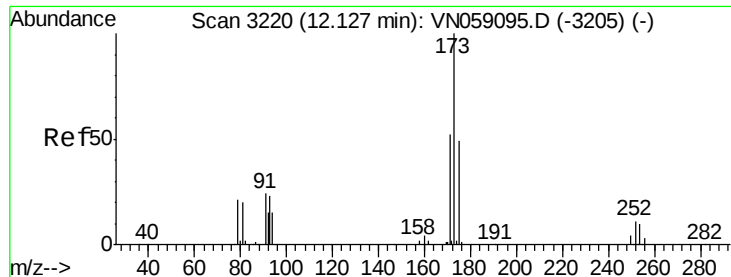
MMDadoda
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#70
Styrene
Concen: 52.245 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion:104 Resp: 787870
Ion Ratio Lower Upper
104 100
78 51.6 41.2 61.8
103 55.1 43.8 65.6





#71

Bromoform

Concen: 50.111 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

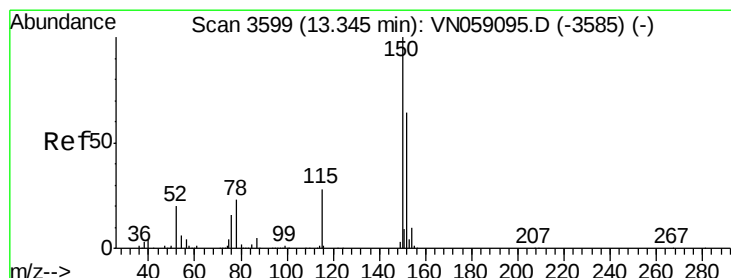
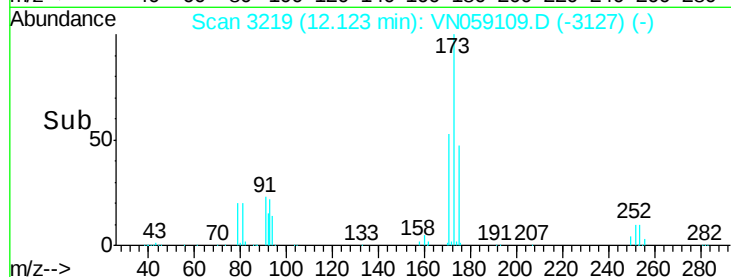
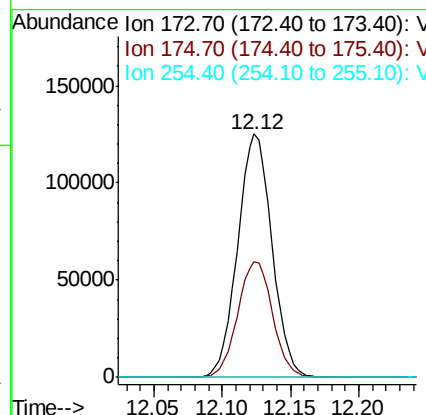
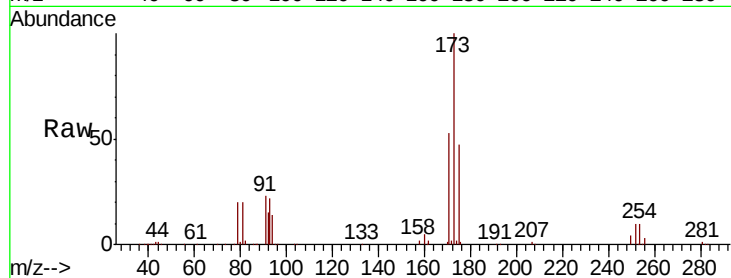
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.2	72.6
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:03 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

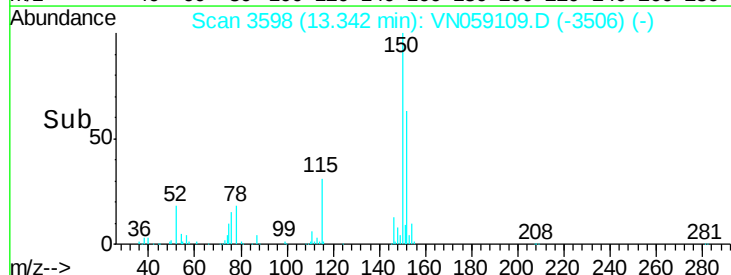
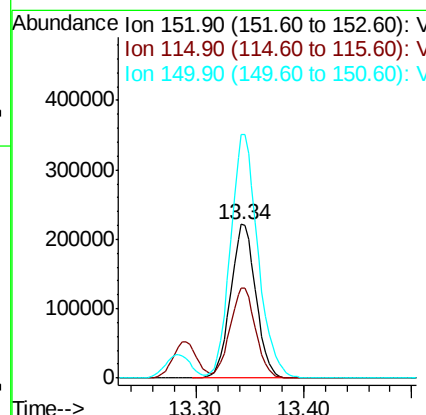
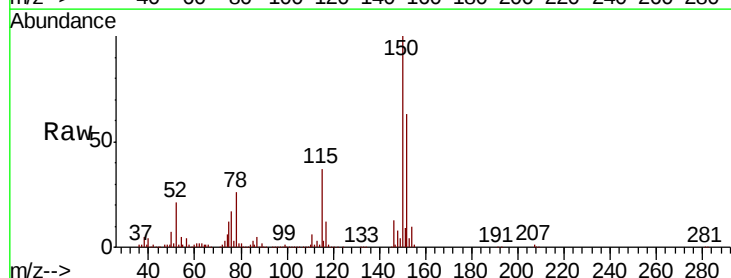
RT: 13.34 min Scan# 3598

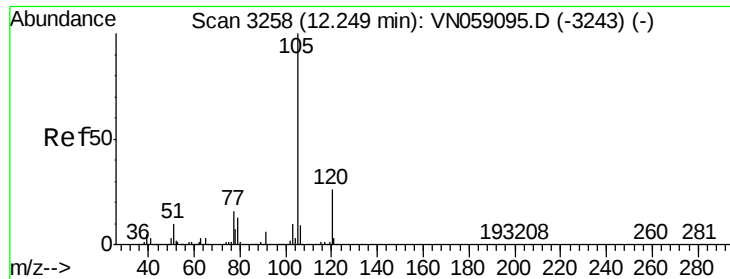
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.4	88.2
150	171.9	0.0	345.8





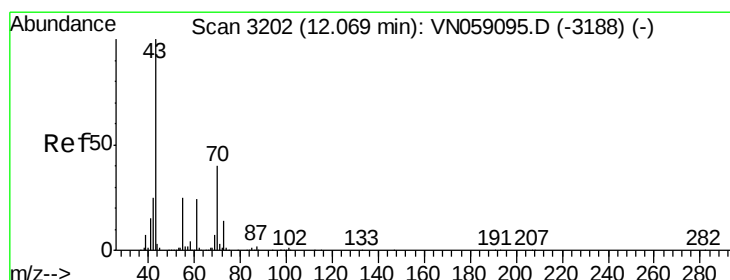
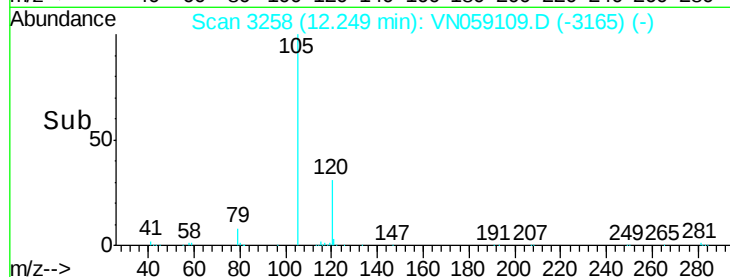
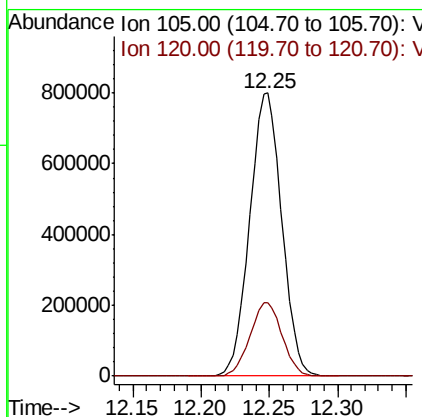
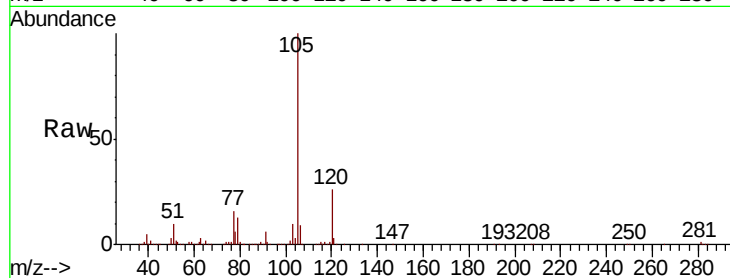
#73
Isopropylbenzene
Concen: 49.625 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1302094
Ion Ratio Lower Upper
105 100
120 26.0 13.1 39.3

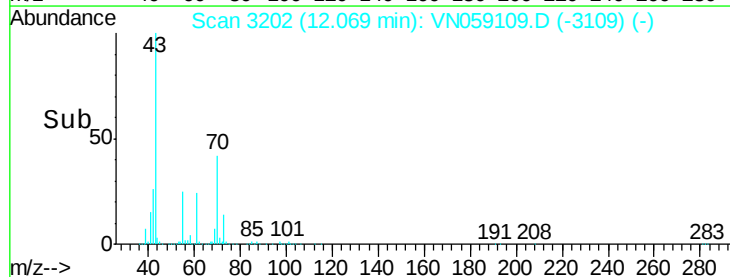
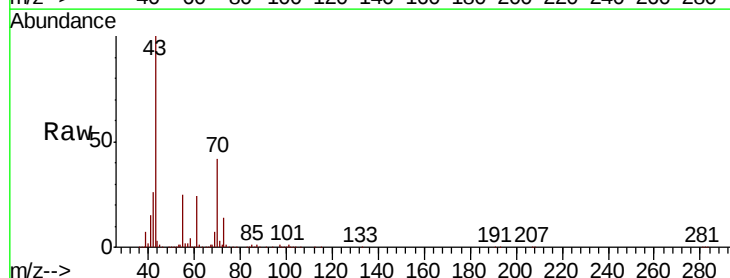
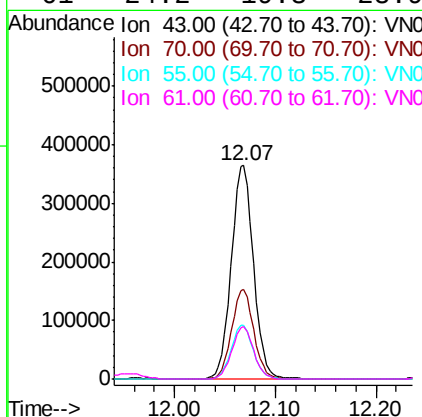
Manual Integrations
APPROVED

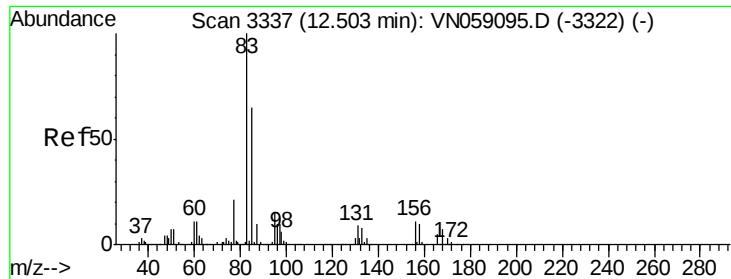
MMDadoda
11/8/2019 9:39:03 AM



#74
N-ethyl acetate
Concen: 50.410 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion: 43 Resp: 560471
Ion Ratio Lower Upper
43 100
70 41.9 32.2 48.4
55 25.3 20.4 30.6
61 24.2 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.220 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

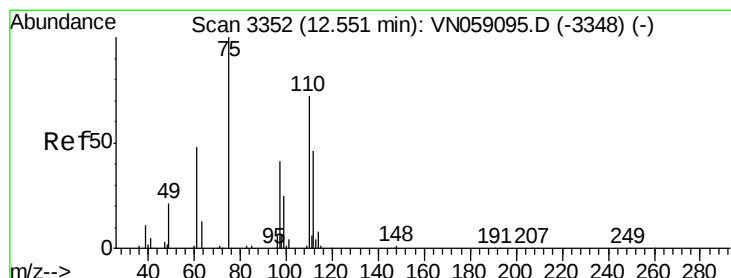
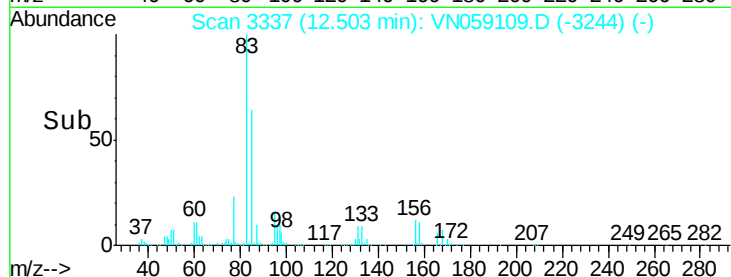
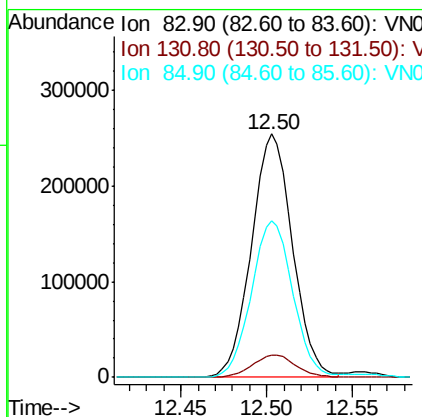
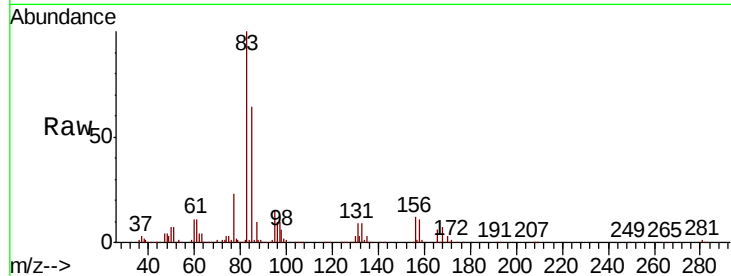
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	421933
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.9	14.6
85	64.6	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.332 ug/l m

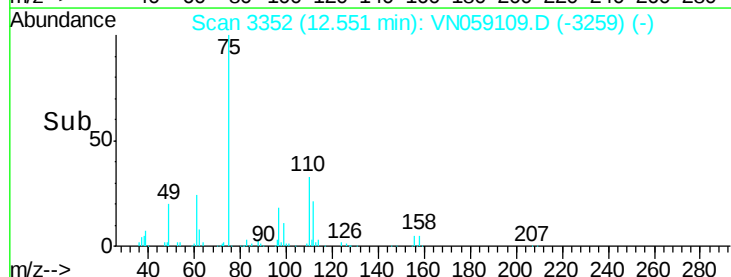
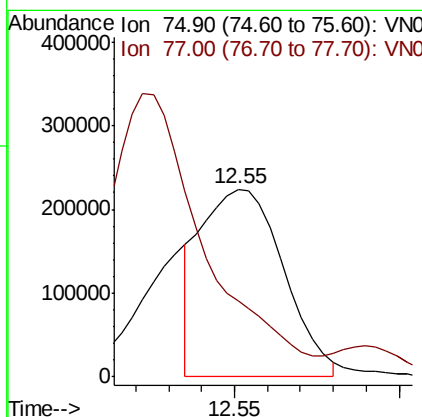
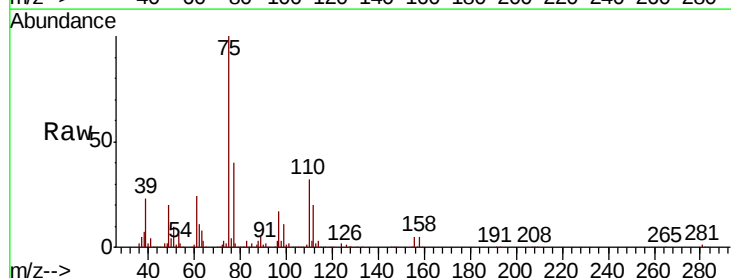
RT: 12.55 min Scan# 3352

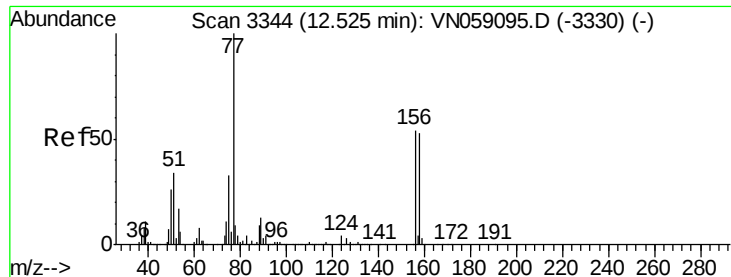
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	75	Resp:	388699
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.608 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

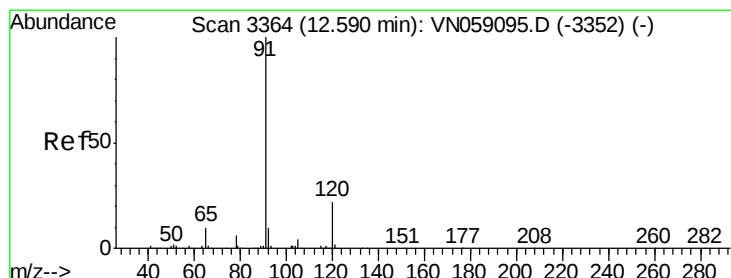
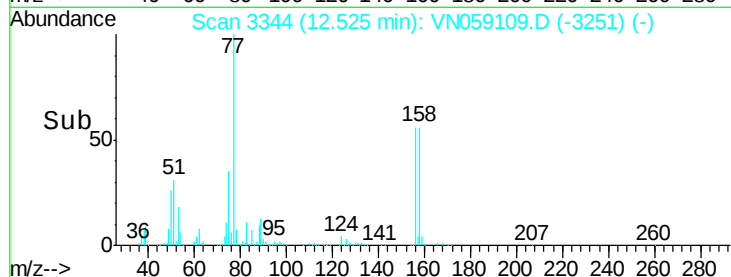
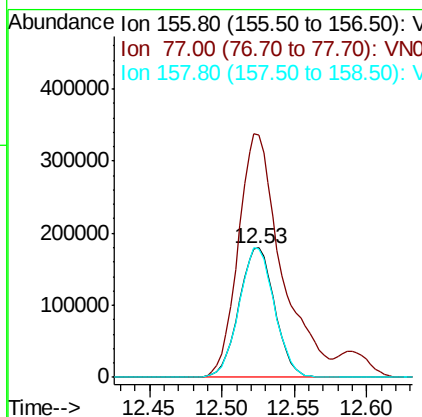
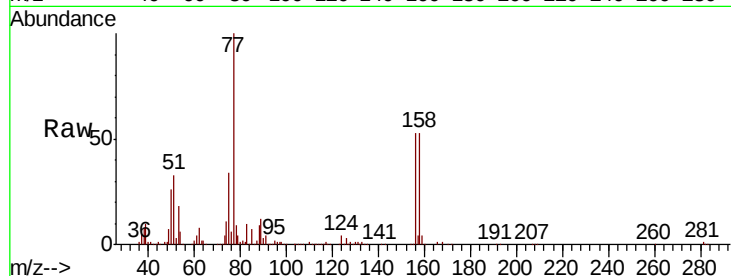
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
307251	156	100		
	77	228.5	112.8	338.3
	158	99.1	48.4	145.3

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#78

n-propylbenzene

Concen: 50.478 ug/l

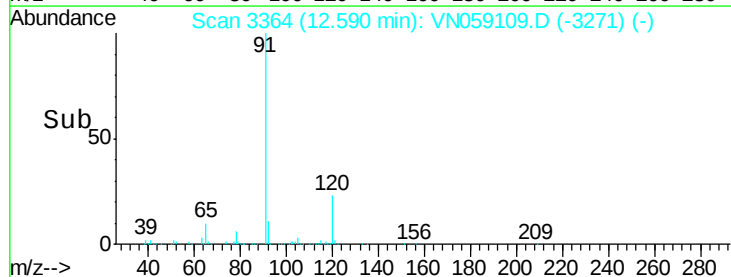
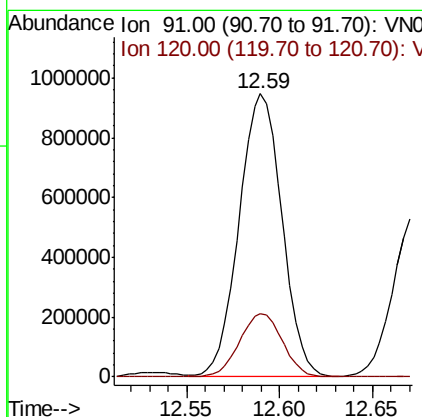
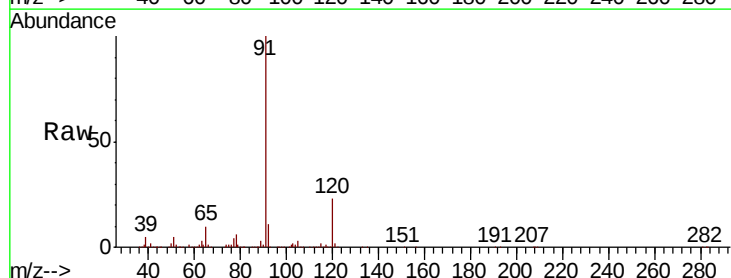
RT: 12.59 min Scan# 3364

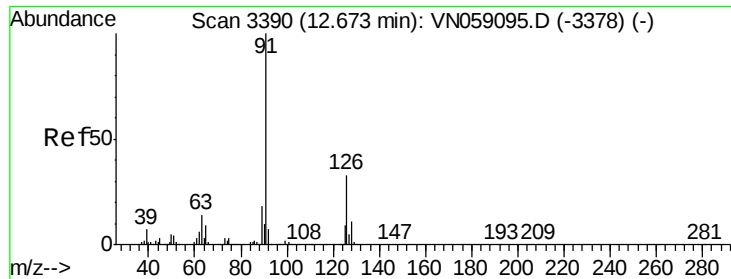
Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion	Ion	Ratio	Lower	Upper
1516512	91	100		
	120	22.6	11.2	33.5





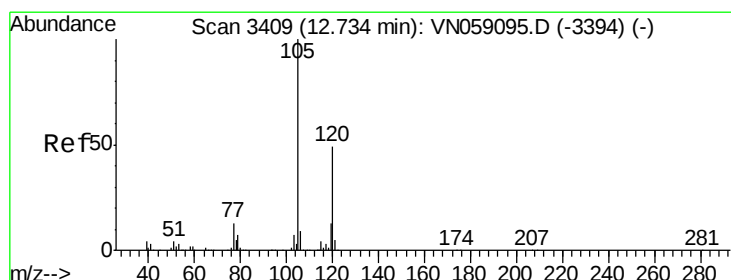
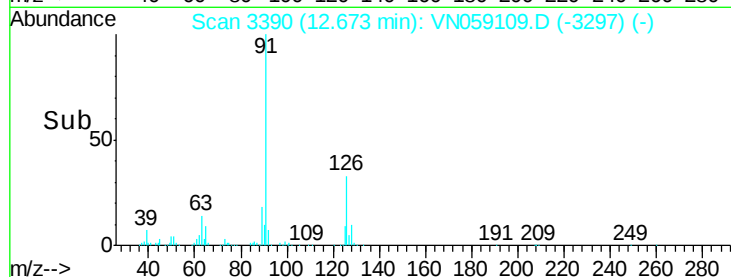
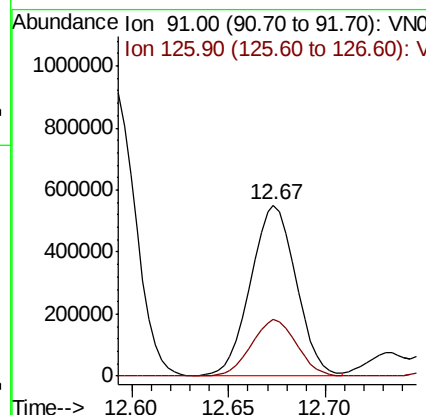
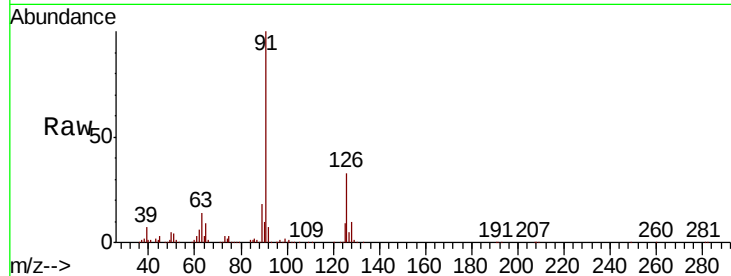
#79
 2-Chlorotoluene
 Concen: 48.289 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 899971
 Ion Ratio Lower Upper
 91 100
 126 33.2 16.7 50.1

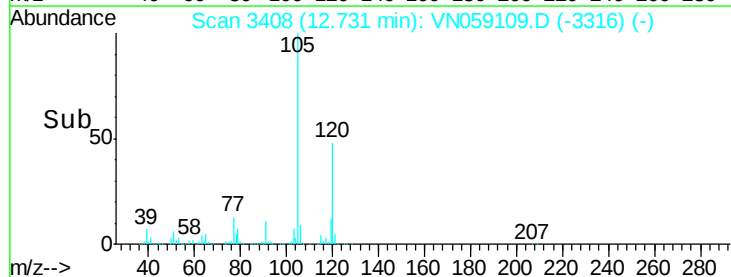
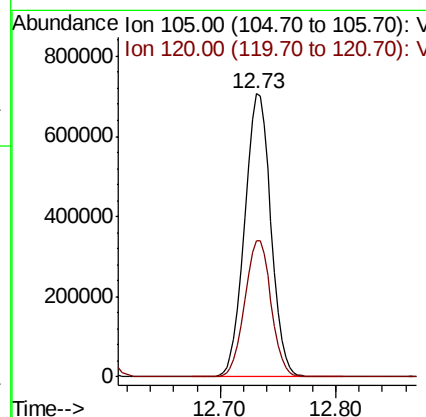
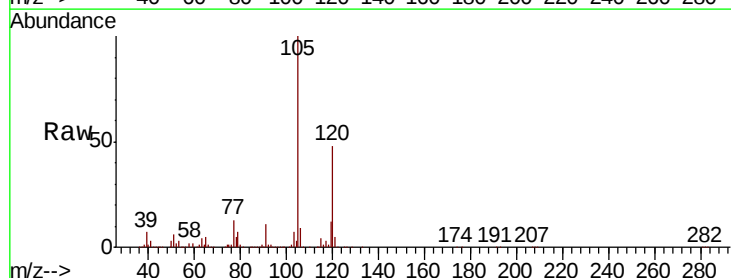
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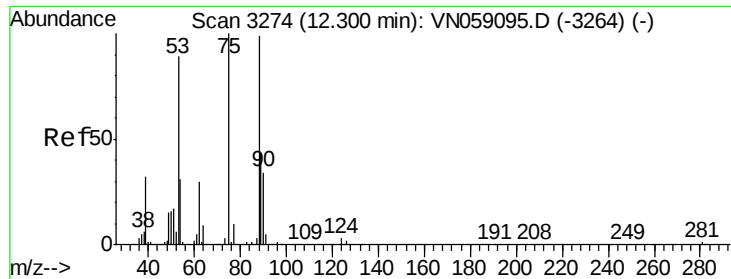
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.836 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion: 105 Resp: 1108010
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.0 72.0





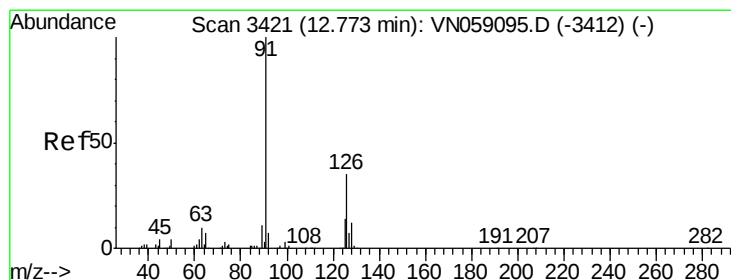
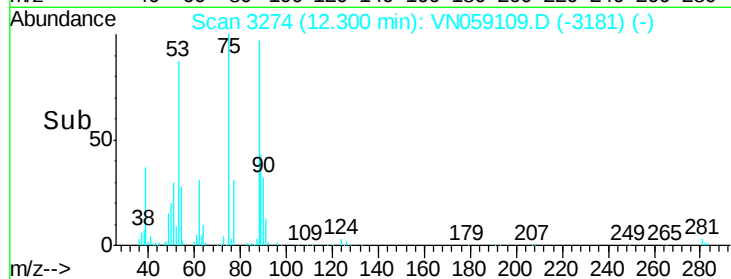
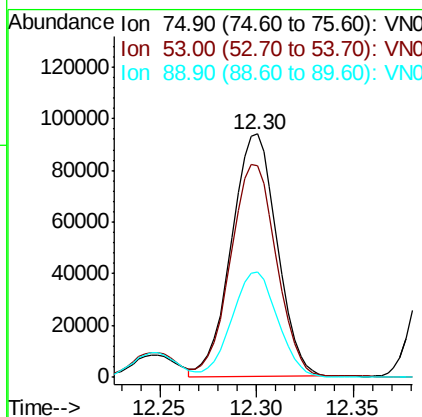
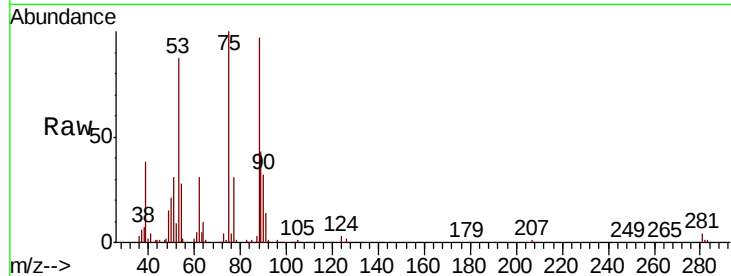
#81
trans-1,4-Dichloro-2-butene
Concen: 49.499 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	72.2	108.2
89	43.8	35.8	53.8

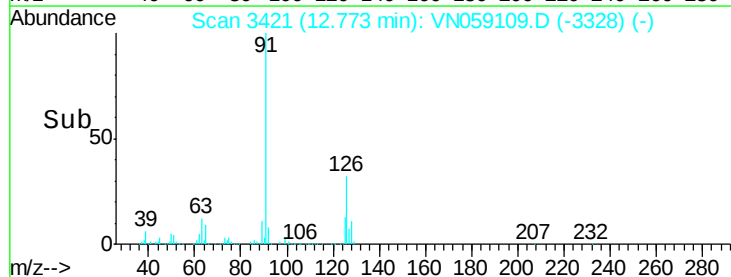
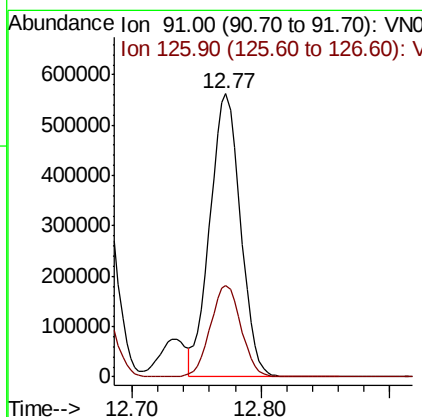
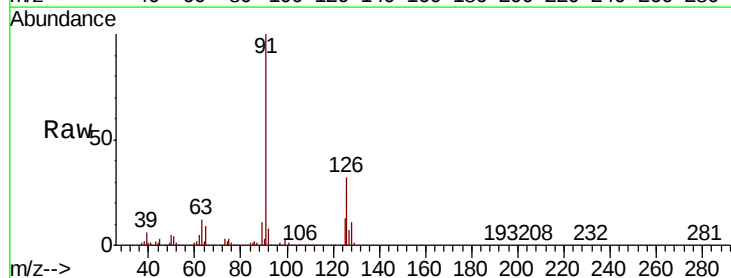
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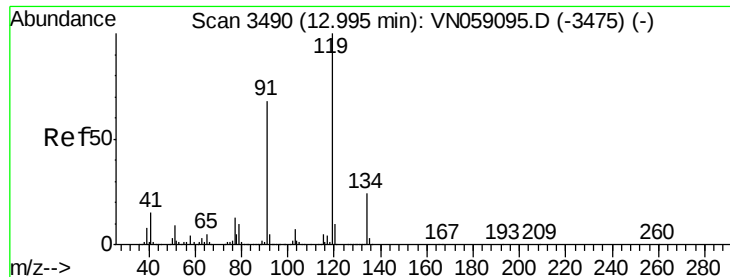
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#82
4-Chlorotoluene
Concen: 49.374 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.1	48.2





#83

tert-Butylbenzene

Concen: 48.222 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

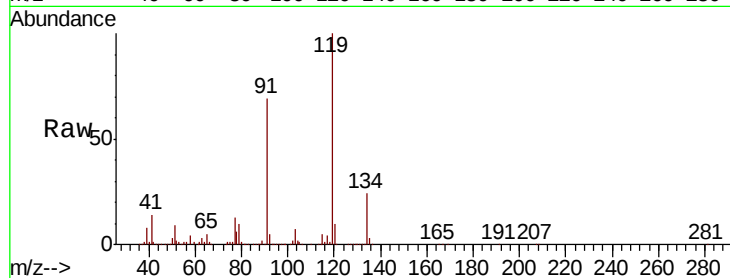
ClientSampled :

VSTDCCC050

Tot Ion:	119	Resp:	925864
Ion Ratio	Lower	Upper	
119	100		
91	66.9	33.2	99.6
134	25.7	12.7	38.1

Manual Integrations
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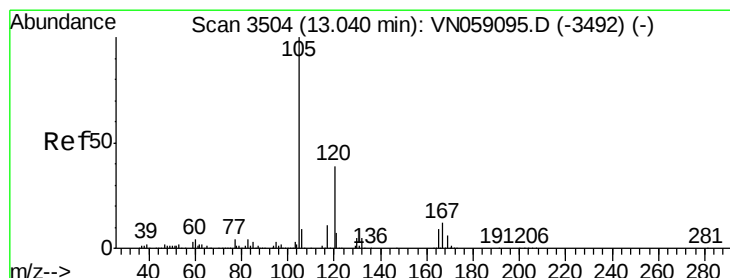
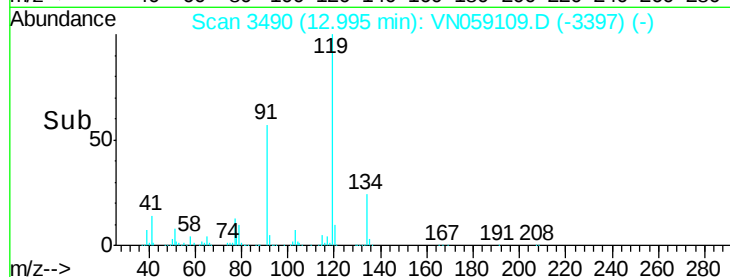
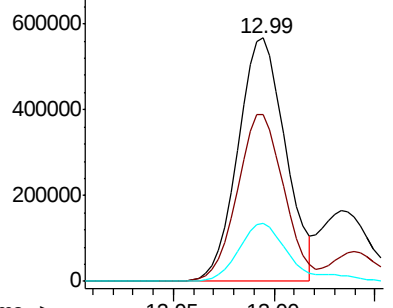
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 50.782 ug/l

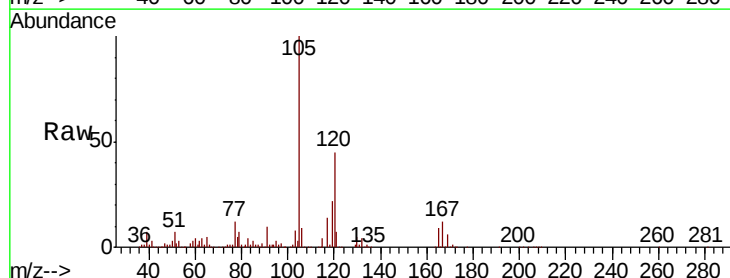
RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059109.D

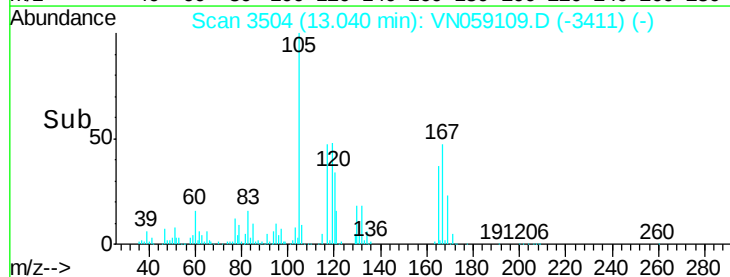
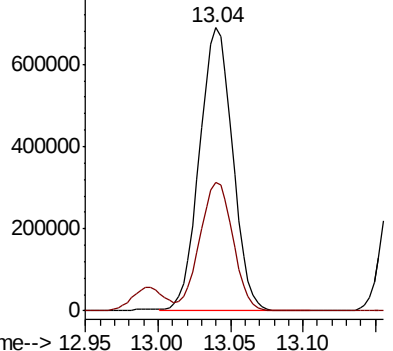
Acq: 7 Nov 2019 9:44

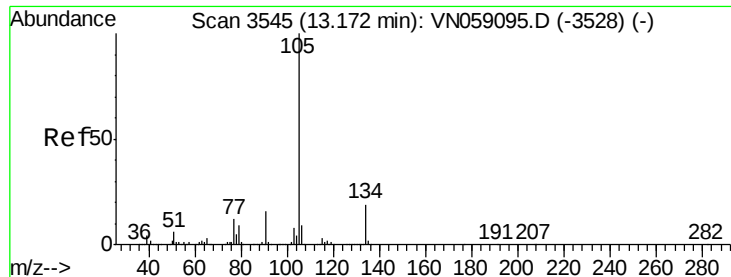
Tgt Ion:	105	Resp:	1092344
Ion Ratio	Lower	Upper	
105	100		
120	45.7	22.8	68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





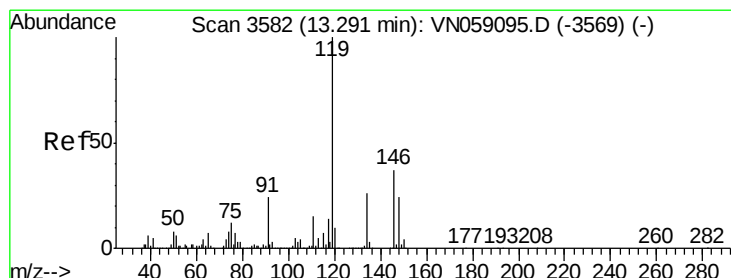
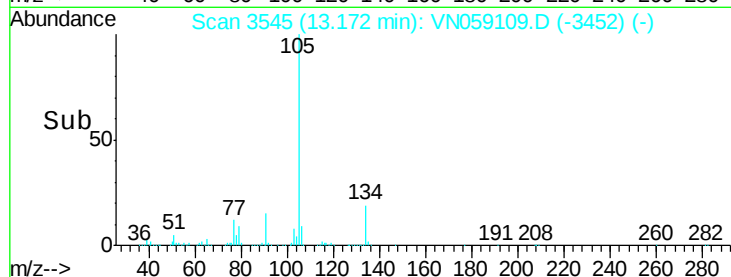
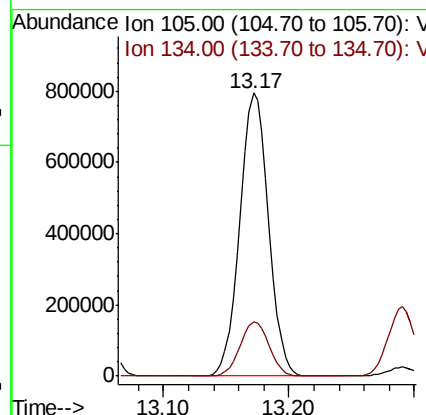
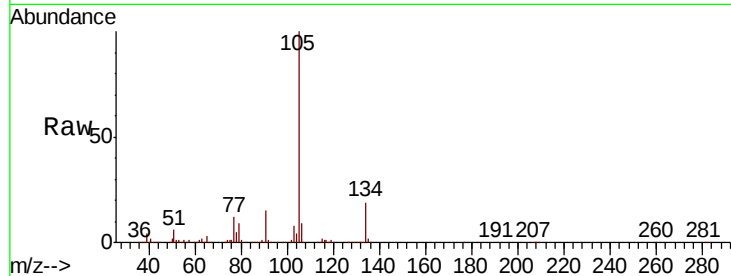
#85
 sec-Butylbenzene
 Concen: 50.489 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1260742
 Ion Ratio Lower Upper
 105 100
 134 19.5 9.7 29.1

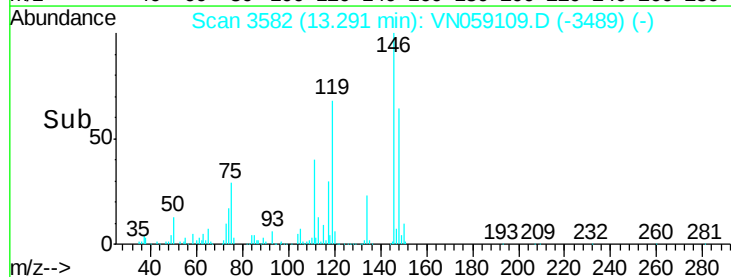
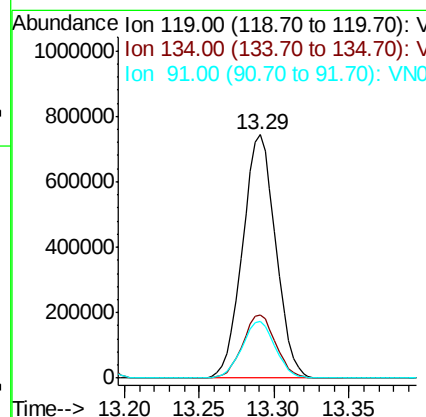
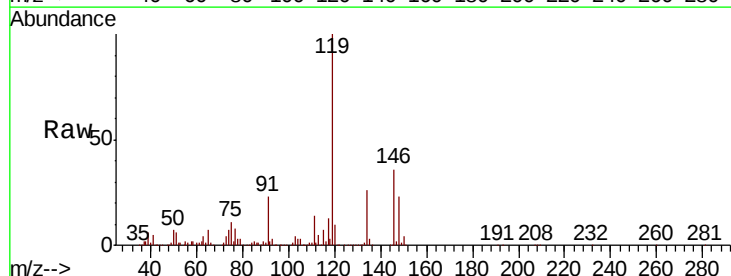
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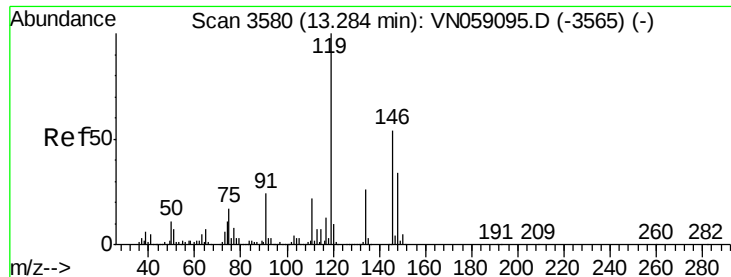
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#86
 p-Isopropyltoluene
 Concen: 51.827 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion:119 Resp: 1142692
 Ion Ratio Lower Upper
 119 100
 134 25.8 13.0 38.9
 91 23.3 11.7 35.1





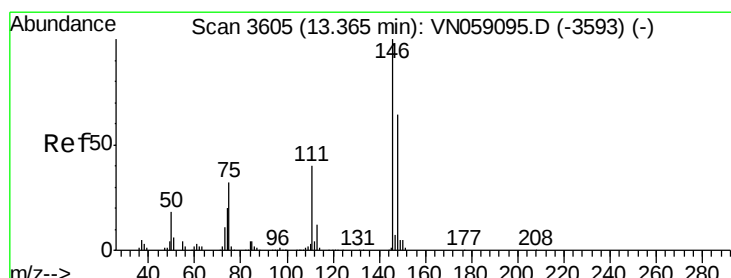
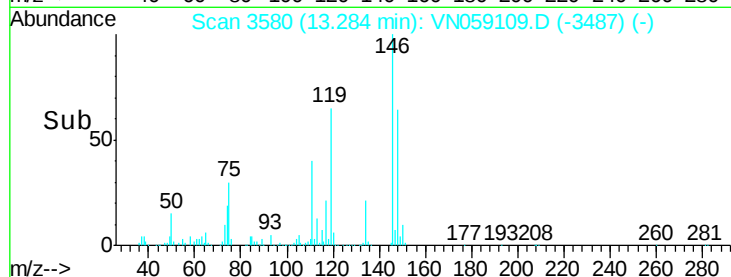
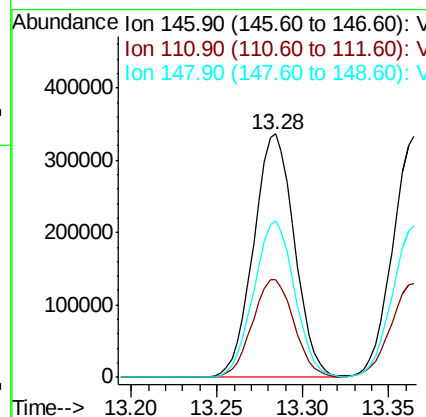
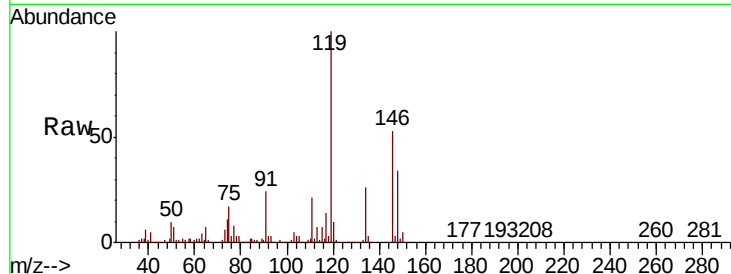
#87
 1,3-Dichlorobenzene
 Concen: 49.197 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.4	61.3
148	64.2	32.2	96.6

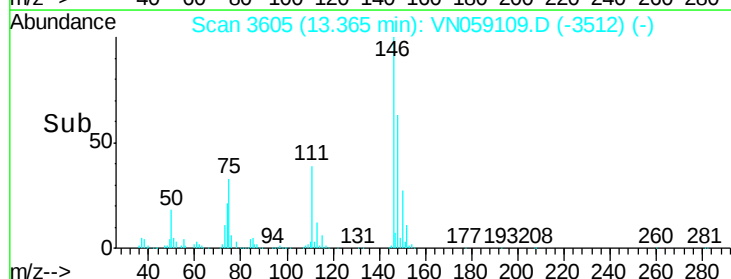
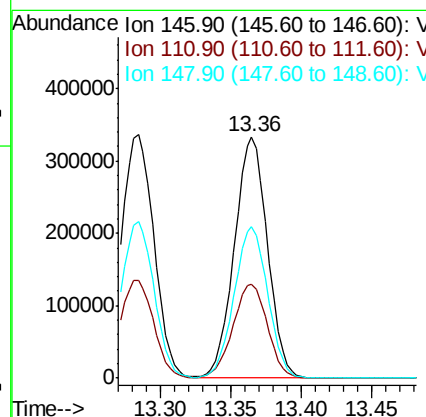
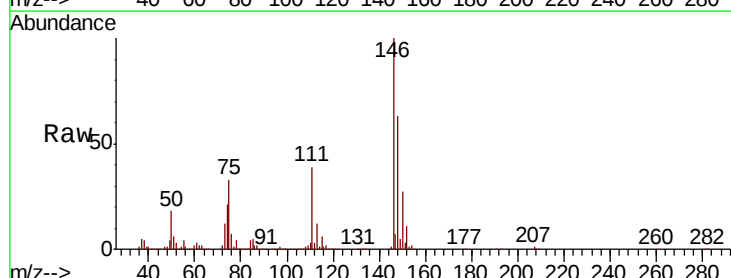
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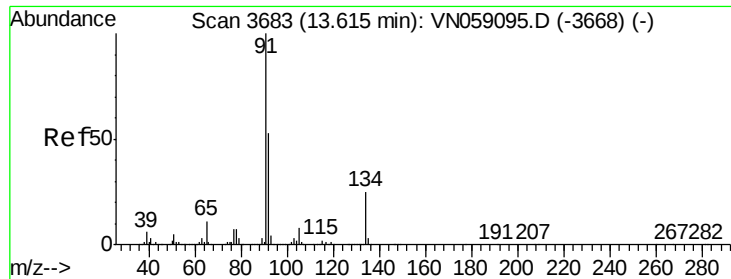
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#88
 1,4-Dichlorobenzene
 Concen: 48.457 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.9
148	63.6	31.9	95.7





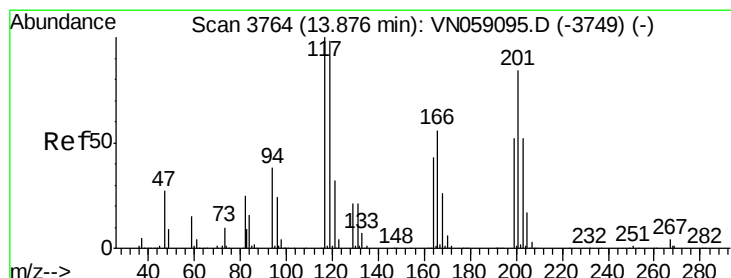
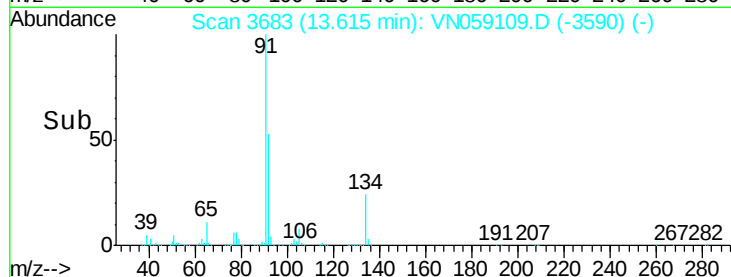
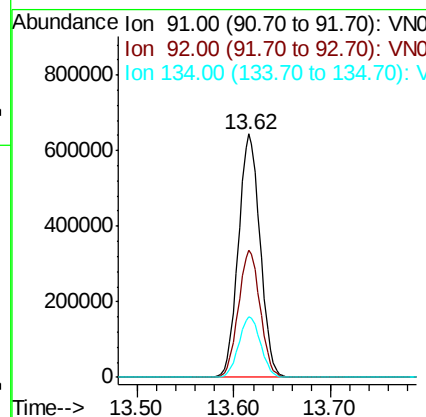
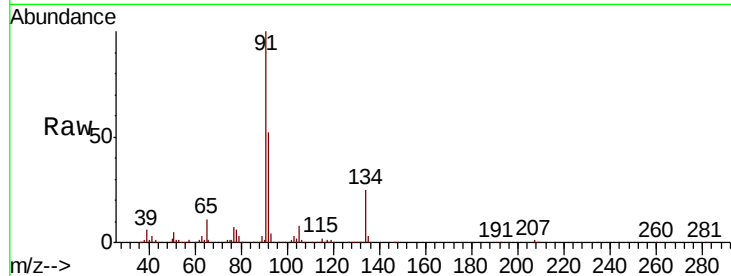
#89
n-Butylbenzene
Concen: 51.964 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.3
134	25.0	12.6	37.8

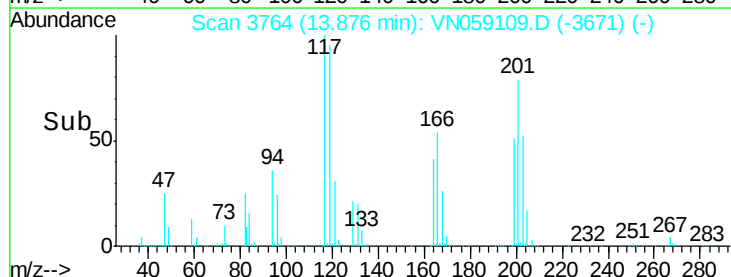
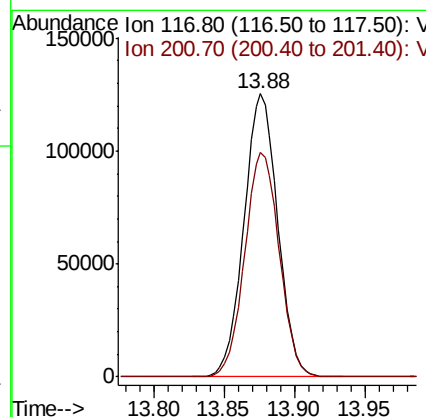
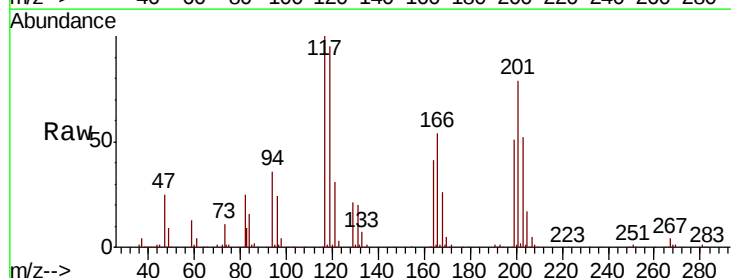
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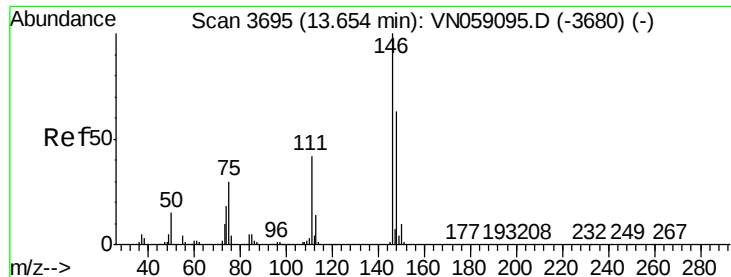
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#90
Hexachloroethane
Concen: 47.511 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 48.901 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Instrument :

MSVOA_N

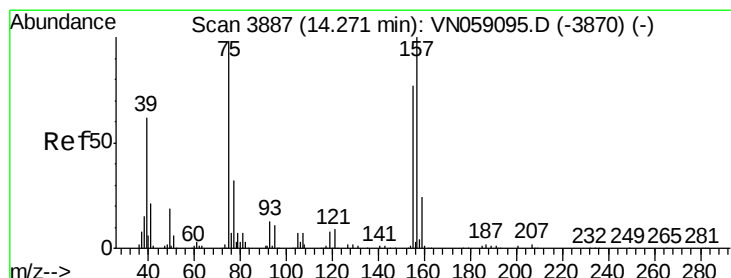
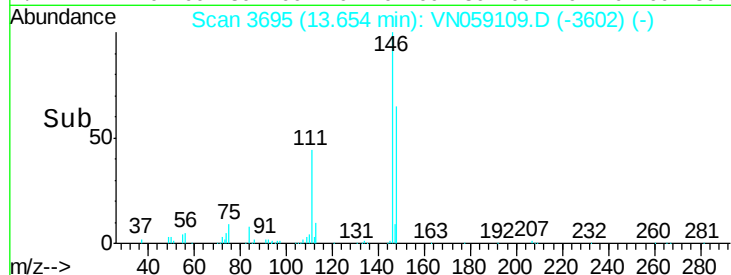
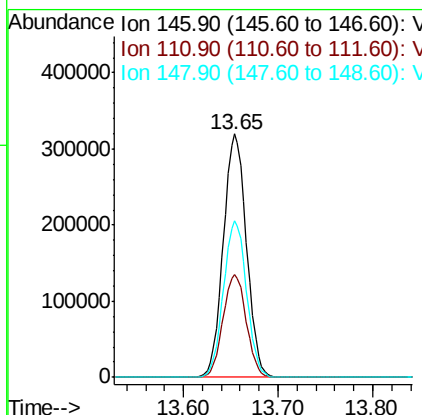
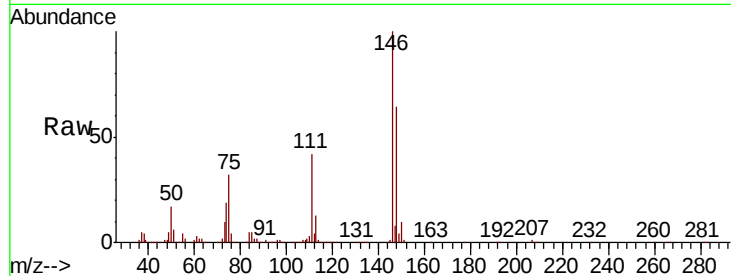
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	543030
Ion Ratio	Lower	Upper	
146	100		
111	42.5	21.2	63.6
148	64.3	31.6	94.7

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 47.260 ug/l

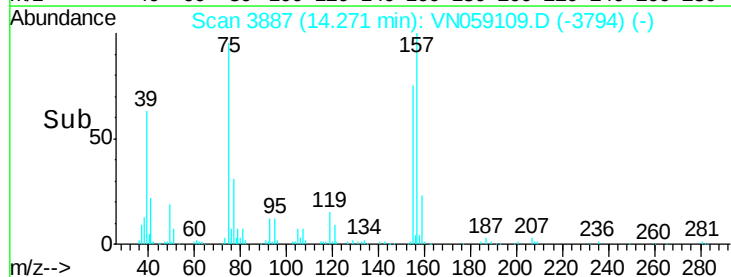
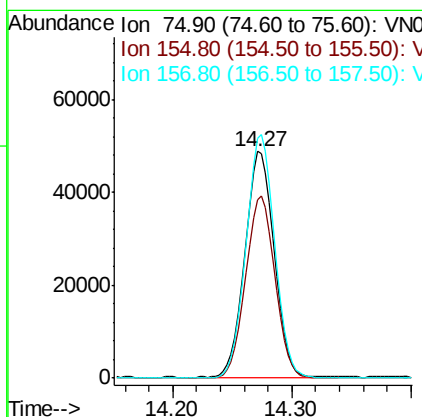
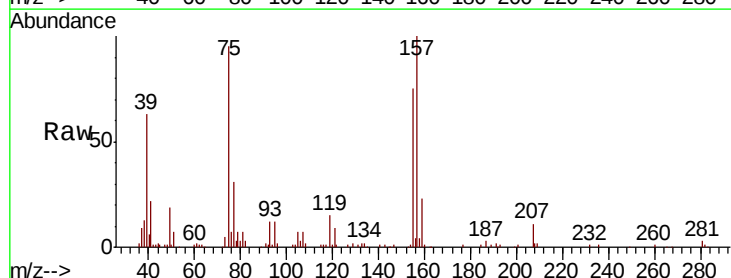
RT: 14.27 min Scan# 3887

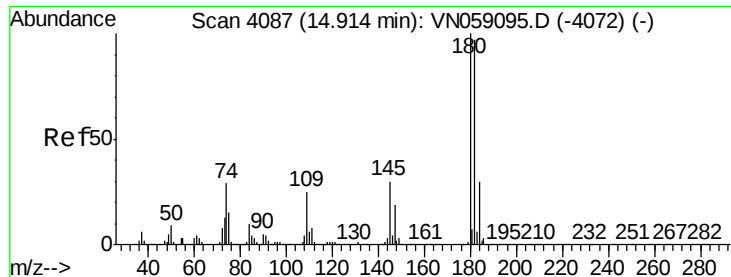
Delta R.T. 0.00 min

Lab File: VN059109.D

Acq: 7 Nov 2019 9:44

Tgt Ion:	75	Resp:	84248
Ion Ratio	Lower	Upper	
75	100		
155	79.8	40.2	120.6
157	104.1	51.8	155.5





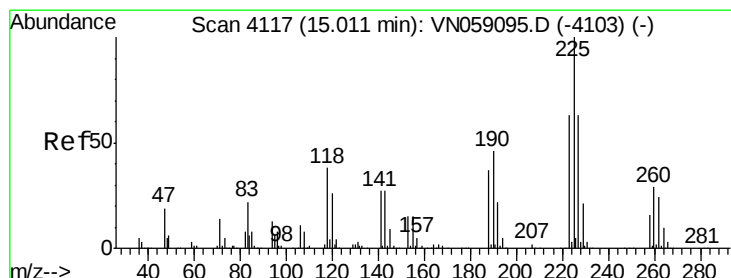
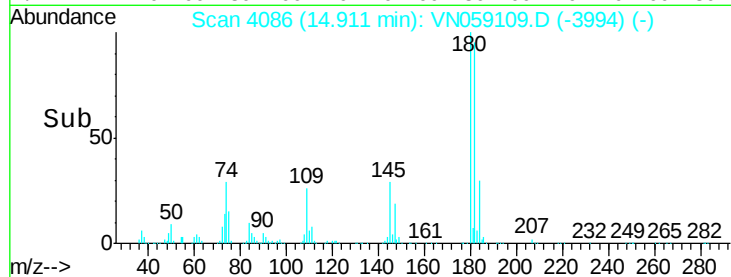
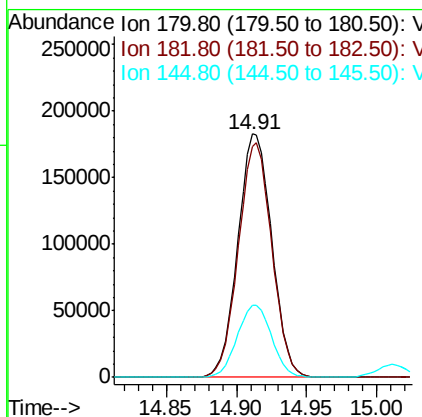
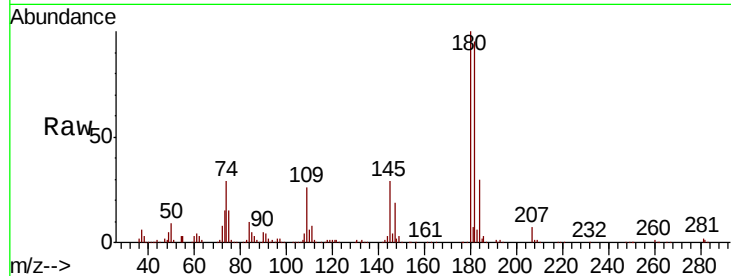
#93
 1,2,4-Trichlorobenzene
 Concen: 46.118 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	309017
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.1	144.3
145	30.0	15.1	45.3

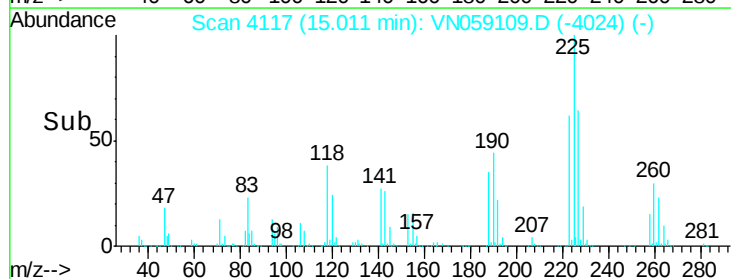
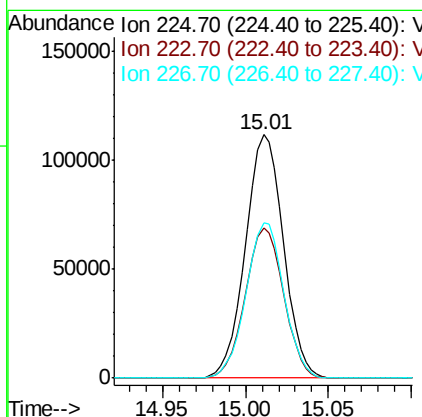
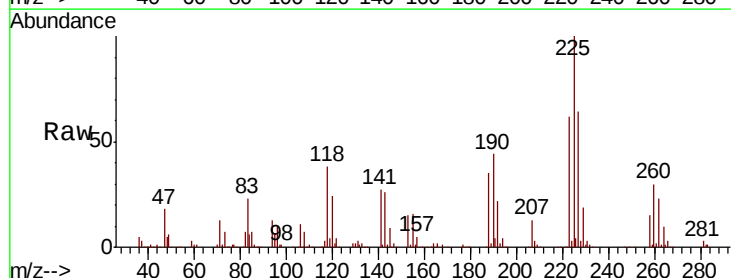
Manual Integrations
 APPROVED

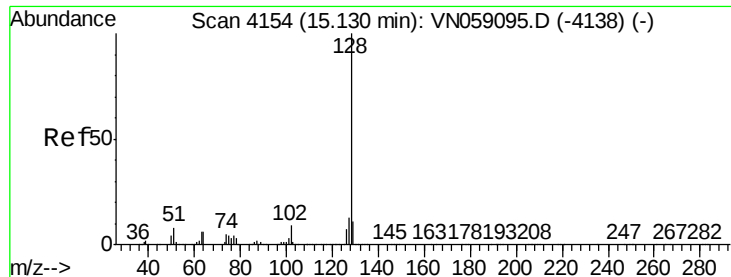
MMDadoda
 11/8/2019 9:39:03 AM



#94
 Hexachlorobutadiene
 Concen: 46.422 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059109.D
 Acq: 7 Nov 2019 9:44

Tgt Ion:	225	Resp:	177747
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.3	93.9
227	63.7	31.5	94.5





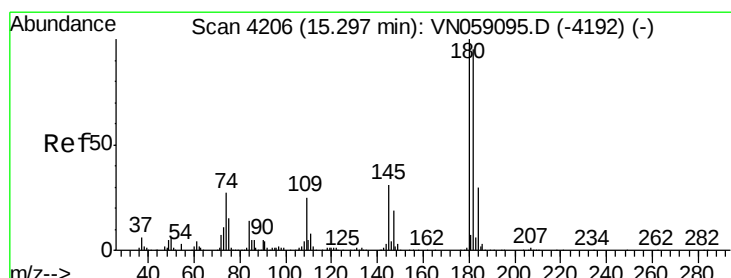
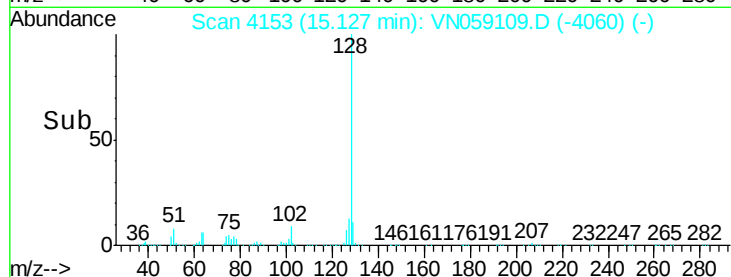
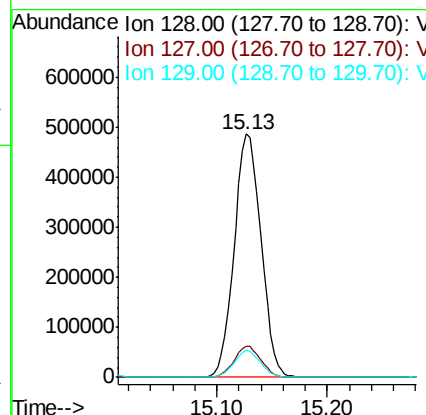
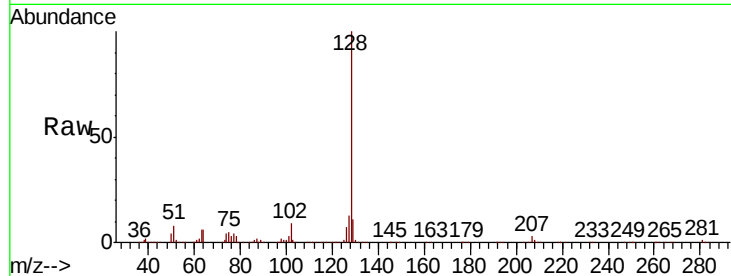
#95
Naphthalene
Concen: 44.382 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/8/2019 9:39:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 48.548 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059109.D
Acq: 7 Nov 2019 9:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.3	141.8
145	32.2	15.8	47.3

